1

## SEQUENCE LISTING

<110> Wang, Tongtong Bangur, Chaitanya S.

<120> COMPOSITIONS AND METHODS FOR THERAPY AND DIAGNOSIS OF LUNG CANCER

```
<130> 210121.478C4

<140> US
<141> 2000-03-06

<160> 789

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 527
<212> DNA
<213> Homo sapien
```

ccaccagtcc acaaatgtga ctggtaaggg atctagtaac agaggatgga gttgggcaga 60 atattateet ggatgatatg cacceageae tagaatacae ettteattag aatgaagaga 120: acagacaaag ccctcagaaa agatacaaag gcagagacat tgattagaac attatctcat 180 . aacaqaqqtq qqqccattac ccaccattat tgtaaaataa ctgtaactaa ccaaaacaca 240 tacaggette tttaatggag ttaataaaac tatggcacat tgggaatcag gggcagaggt 300 actgttccca gacggaaaac tgggataaag ggagccatgc tgacagggcc ttattccagt 360 ctaggttgtt agaaaggagc cctagcccag aaatgacagc aaatagccat aatcattatg 420 tggggctgaa ccagaggaag ccaggctgag ccaagaagct ggaagtatct tgaacggctc 480 tccaaatcca aagattatcc atactcttta tccctccagc gatgtgt 527

<210> 2 <211> 490 <212> DNA <213> Homo sapien

agctattcag

<400> 1

<400> 2 ccaagagttc tccactgtga agactgaaag gacctggtga catttcggca tcagtcctgt 60 taccacttgg aggtaacaga agcaggctcg tgtcctcctt taattctacc acactacatg 120 actcgcaatt ggttctgaaa ttagaacgtt caccatcgta cttaaaatct taggggcatg 180 aagagtcagc tagaacaagg aaaaagaaag tcgcaggtag taggtaagta ggtgggcaca 240 tqaaaaqcca agctgctctg tccaacacca gtgtacatgt gctttaacta aatgaactcc 300 agaggccaac agcagcagac ctgctcaatt caccttccaa atcagaacaa gaccaaaaag 360 ctcaqqcttq aqttqtcaac tatgcatagg ttccgccagt gctgaggggt gtgaggctct 420 agttgtgaag aagctacaag aaatcatgat gcatgtgatc tgggccgcac tggcatttgc 480

490

```
<210> 3
      <211> 464
      <212> DNA
      <213> Homo sapien
      <400> 3
                                                                        60
ggagctgtgg gctcagtcgt ggggcagatt gcaaagctca agggctgcaa agttgttgga
gcagtagggt ctgatgaaaa ggttgcctac cttcaaaagc ttggatttga tgtcgtcttt
                                                                       120
aactacaaga cggtagagtc tttggaagaa accttgaaga aagcgtctcc tgatggttat
                                                                       180
gattgttatt ttgataatgt aggtggagag ttttcaaaca ctgttatcgg ccagatgaag
                                                                       240
aaatttggaa ggattgccat atgtggagcc atctctacat ataacagaac cggcccactt
                                                                       300
cccccaggcc cacccccaga gattgttatc tatcaggagc ttcgcatgga agcttttgtc
                                                                       360
gtctaccgct ggcaaggaga tgcccgccaa aaagctctga aggacttgct gaaatgggtc
                                                                       420
ttagagttta aatttcagct tccctacttt gtaattgact gact
                                                                       464
      <210> 4
      <211> 510
      <212> DNA
      <213> Homo sapien
      <4.00> 4
cottatoaca otgtaagtgg tocaagcoca tagggatgot otttttggtt cotggaattt
                                                                        60
ccagttggat gtgacagaga tctttcagta taggtctaag tcaagagtag cctctgggtt
                                                                       120
gaggtgggct gggagattaa catcttacct ggggtccttc agataaacct gttggttttt
                                                                       180
cctgtctcat acaggcccat cttaagtttt gatgttgaat taaaactact tctacccct
                                                                       240
                                                                       300
tagttataaa aaaggccaca aggagcattt atgtggatat ctggaagtga gatagttatt
ccattcccag gaaaagaaaa ataaagctaa gttacaaaac taaatctata tgcaataaag
                                                                       360 .
                                                                       420
ttattatata ctgctttgtt taagcagagt cctctggaat ttatgtacag tacattagtt
ttcagctatt tatattccac aagttagacc ttaagattct ctggttttaa gacaattgtt
                                                                       480
aaagatactt ctaaagctct gagcagttca
                                                                       510
      <210> 5
      <211> 452
      <212> DNA
      <213> Homo sapien
      <400> 5
acagegeete aegeaeetga geeeegagga gaaggegetg aggaggaaae tgaaaaacag
                                                                        60 .
                                                                       120
agtagcagct cagactgcca gagatcgaaa gaaggctcga atgagtgagc tggaacagca
agtggtagat ttagaagaag agaaccaaaa acttttgcta gaaaatcagc ttttacgaga
                                                                       180
gaaaactcat ggccttgtag ttgagaacca ggagttaaga cagcgcttgg ggatggatgc
                                                                       240
                                                                       300
cctggttgct gaagaggagg cggaagccaa ggtaaatcat ctcctttatt tggtgcctca
tgtgagtact ggttccaagt gacatgaccc agcgattatg tttacagtct ggacttctga
                                                                       360
tcaagagcgt tcttgaaatt ttccttcagt tttaagacat tttcatgcag gcagagtgtt
                                                                       420
cttcccctaa aggcacttga cactcatttt tt
                                                                       452
      <210> 6
      <211> 336
      <212> DNA
      <213> Homo sapien
```

<pre>&lt;400&gt; 6 tatagagtgc tgacatctga ggtctggctt gccaacaata atccacgatc gagggcatat gccattgtgg tgactgatgg atgggcatcc ctgtgggtaa gaatgtctgc ctgtcattct</pre>	tagtttggtg tgcttcagtt agagcgtatt attggctcta	tttcggaagc ctcaatgcat cttggcttgg tatacagctt	caagaggtct ggccagaaga gagaccttgg	ctttattact tgtcatcaag ctgtaatgga	60 120 180 240 300 336	
<210> 7 <211> 376 <212> DNA <213> Homo sapi	en					
<400> 7 ctgtgggaaa cctcattgtt aggagttagc caaacaacaa atatctttgg ataatgttat agatggtaag acctctgaga cagaatggat catgtcccc gaaagaaaga aagaaagaag tcattaccct tttctg	caaaaacaaa ttctatttt ccaaaatttt ttatgttgag	aaatgtgctg tattttttt gtcccatctc gtgaccactt	ttcaagtttt cattagaagt taccccctca aattgctttc	cagctttaag taccaaatta caactgctta ctgcctcctt	60 120 180 240 300 360 376	
<210> 8 <211> 406 <212> DNA <213> Homo sapi	en			· · · · · · · · · · · · · · · · · · ·		
<pre>&lt;400&gt; 8 ggtagggagc aattctatta agaacaggtg agtctagaag ctgtgttaaa gatgctgcta gtaaaacgtt gggattgaca cttcttgtga aatactaatg aggacaaatt aaaagggggt gggaaaagct gtccatagtg</pre>	tccaactctg atgtcagtca agatagatct acagcatcat aagagcctta	aaaaggacca ctgggtgcac gatactctgt cctgccaagc tcatgatgag	ctgtacattt taaaggatct taagttaccc gaaagaggca gagtcttgtt	gaacacacgg cttattttat tctgaagcta ggcataagca	60 120 180 240 300 360 406	•
<210> 9 <211> 330 <212> DNA <213> Homo sapi	en					
<400> 9 actactacca agagctgcag ggggttttct gggcctctcc ctctggcctt ccgagaaggt ataaaacgga agcagcctct tgccatttcc tttctctgcc tggtgctggt ctgtgttctg	aatattaagt accatcaatg cgatataacc cagtctgggg	tcaggccagg tccacgacgt tgacgatctc	atctgtggtg ggagacacag agacgtcagc	gtacaattga ttcaatcagt gtgagtgatg	60 120 180 240 300 330	
<210> 10						

<210> 10 <211> 449

```
<212> DNA
      <213> Homo sapien
      <400> 10
ctgacggctt tgctgtccca gagccgccta aacgcaagaa aagtcgatgg gacagttaga
                                                                         60
ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta
                                                                        120
ggtgtctcag ggctgggttg gggtccaaag tgtaaggacc ccctgccctt agtggagagc
                                                                        180
tggagcttgg agacattacc ccttcatcag aaggaatttt cggatgtttt cttgggaagc
                                                                        240
tgttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt
                                                                        300
catgcgggta agttgaggtt atcttgggat aaagggtctt ctagggcaca aaactcactc
                                                                       360
taggtttata ttgtatgtag cttatatttt ttactaaggt gtcaccttat aagcatctat
                                                                       420
aaattgagtt ctttttctta gttgtatgg
                                                                        449
      <210> 11
      <211> 472
      <212> DNA
      <213> Homo sapien
      <400> 11
cctcgatgca tgctgctcta cctctcatca gcccacagtc tgacacgagg tcatctttgg
                                                                        6.0
tctgtggtga ggtatggatg tctgcagtct acacaacagc cctgcagaac gggcctggac
                                                                       120
aaccettggg ggataagaca gccacacatg gctcaggctg ttaggtgtcc actgtcacag
                                                                       180
tccaaagaga aaggtacggc ctccaagggg gcagcttaag ccaacatgta agacttgggc
                                                                       240
acgatgaaag gacggggtc cagctacgaa tgtttttgtt cttgatgtca agttgccagc
                                                                       300
tactggaagg caggagcagt ttcttctttt tcccactctg tgctgggtac ttgggagagg
                                                                       360
cgaaataaat accagactgt ccactcctca gcctaaggtc cttctcaagt cctgcacact
                                                                       420
cagcacttgc tctttaacgt ggcatatgtt cccccatctt cccctggtaa tg
                                                                       472
      <210> 12
      <211> 371
      <212> DNA
      <213> Homo sapien
      <400> 12
ttttttttt tttttttt ttttggarat ttgkcacatt ttattcagwa tttctgctgc
                                                                        60
actgccagcc tagggatgca cttgattccc aagaaatgca actgtcctat tcgcaragcc
                                                                       120
gtccacaggt acctacccc tggactgcag caactttatt accttaacta gcacaraaca
                                                                       180
gaggttgatt taaactcctt acactcactt ctcaratcaa tgaatgggca aaraaacmcc
                                                                       240
tcatggctct gggaaggcat gctgaraccc gtttttgcaa gtcctgagga atggaaraat
                                                                       300
atagctgcca ggtatcccaa gtctagggca gggagggkag tatcggcatc actttcactg
                                                                       360
cattctgttg g
                                                                       371
      <210> 13
      <211> 493
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(493)
      <223> n = A, T, C \text{ or } G
```

<400> 13	
ccagtccaac ctgctcctca ttattgtata aa	tgagcaga atcaatatgg cggaagccag 60
ctycaattgc caatttggtg gcctctaaag ct	
aggtgccaaa tcccaggaca ggcatgaagt ga	
tcgaatccat ttctgtcnnn nnnnnnnnnn nn	
caacetgete etcattattg taaacatgtg ca	
ttgctaattt tgtgacctcc aaagctttac tt agcaatcccg ccgagcttct ttgagacgtc ct	
ctttcacaca ctctagcatt ccttcactgg gg	
gaatgttggg gtg	493
<210> 14	
<211> 540	
<212> DNA	
<213> Homo sapien	
<400> 14	
ccagatggtc cataatatgt caccgagcag gtg	gaatggca tttgtatgtc agccttggtt 60
gtcttgtact ccagggtgga agtcatggta tag	gagctgag tcactgggtc catttccttt 120
ttaaaattat gaccaccgct ccttcaaggg ga	
tgatattgcc atctggataa ctgtcttctg aa	
ctgtttcgag aaacagtgct ttgcttacaa tt	
tgactattgt aggtgcctca aacacgttgt collections tractgatag acacttgca ttactgatag acacttgca	
tgtctttgta ttctggtaca tcgtcgtact gca	
caataaatac tggggagcca tcgggctttt ca	
2222	
<210> 15	
<211> 421	
<212> DNA <213> Homo sapien	
(213) Homo Bapten	
<400> 15	
tacccacctc cagcctccca tgtgagcctg tc	
tagcagtcaa gtgtcttccc caatcctaat gto	
atctcttgtt ccttgggact ggggccagcc tct	
agatagecee aaaggeteta tetttagete ee etteeeett eetteetatt eeceacaact gg	
atcatcaatc toccotgooc ctotottgaa goo	
gtgagcaggg caaagcctgc taggagcaga atg	
g	421
<210> 16	
<211> 236	
<212> DNA	
<213> Homo sapien	
<400> 16	
gccgtgtgtg cttttcccag tgccgaggta cct	catcgctc acggccagga gcttgtcgtg 60
gctgacagca aagagctgct ctctgtgggc ctg	getteate teateegaga ggeegtacaa 120

gaagtggtcc attcctttgt ctgaaggagc	ascaggagga	tetacootto	202202020	180
aagtttggct tcgtcgatgt cttgctgtgt				236
<210> 17				
<210> 17 <211> 424				
<212> DNA				
<213> Homo sapien				
<400> 17				
ccagaaaggt gacagtggtt ttccagggcc	tcctgggcct	ccaggtccac	ctggtgaagt	60
cattcagcct ttaccaatct tgtcctccaa				120
agcagatgca gatgataata ttcttgatta				180
cctcaattcc ctgaaacaag acatcgagca				240 300
tccagcccga acttgtaaag acctgcaact ttggattgat cctaaccaag gttgctcagg				360
atctggtggt gagacttgca tttatccaga				420
atgg		3 233 3	J	424
210 10				
<210> 18 <211> 154				
<211> 154 <212> DNA				
<213> Homo sapien				
,				
<400> 18				
gtcaccaact ccttcagcgc ctccacaggg				60
aggacaattg aaatttgcta aagggaaagg cacaagagac ttaaaggaca ggaggaggag		ggaaaaggga	gaaaaagaaa	120 154
	~~99	•		131
<210> 19				
<211> 445				
<212> DNA				
<213> Homo sapien				
<400> 19				
caacaaaatt ggtgaacaca tggaagaaca				60
aattaaagtt gaacaaattg aagcagggac				120
caccaatagt gaggaaatca ttgaaggaga agatgcttgc acaagaaaaa ttggcttaga				180 240
tggaaaaata cctgtcacag atgaagaaca				300
cgatatattg gaggataagg tggagctcac				360
ggctcagagg ctctatgcag gttccactgt				420
ctgtatttac tcctttggaa tatgg				445
<210> 20				
<211> 211				
<212> DNA				
<213> Homo sapien				
<400> 20				
gggtgccact gcctgcttga aagcactttc	tgaacctaca	gaagttgggt	attqtctqaa	60
atcccagagg acccataagt gccggtgaca				120

ctgggttcgt ccccagtgag accggattggtgggcc tctgccttct cttctgccttct cttctgccttctgctgctgctgctgctgctgctgctgctg		ggactgcgca	gcatcagctc	180 211
<400> 21 tgcccctgta ttggattgcc acacgg				60
aaagattgat cgccgttctg gtaaaa				120
tgatgctgcc attgttgata tggttc				180 240
ctatccacct ttgggtcgct ttgctgcatcaaagca gtggacaaga aggctg				300
agctcagaag gctaaatgaa tattat				360
tggaagaacg gtctcagaac tgtttg			3 33	396
<210> 22	. 33			
<211> 277				
<212> DNA				
<213> Homo sapien				
<400> 22				
ggaaccatgt ggccggcgcc cttgat	coto agaaaggcga	tataggagaa	ctccttcacq	60
aagccggcaa tctgctcccc gctgtc				120
tccatcttct ggttgaggga atccad				180
tctacatctc cattatataa taggat	ctgg gatttctgtg	agctaagcag	cttcagatac	240
tgggagttca tgcttcggta gagacg	gcgg tactgta			277
<210> 23 <211> 634 <212> DNA <213> Homo sapien				
<400> 23				
tctgaccatc catatccaat gttctc		_	_	60
agaaactctg gtccttctgt ctggtg				120
atggaggag gattttatgg agaaat				180
aaaactaagc tgcattgtgg gttttg tcagggactt ttctagctgt atgact				240 300
tgctctattt tagatagatt aacatt				360
aaatttctaa gtcagcctct agtcgt				420
ttgtctgaag aaaggaaaga ggaaag				480
gggattcatt ggcaaataat ttcagt				540
tttcctaggt tgaaggtcta attgat				600
aaatgaattt gctttcaaaa taaatg				634
<210> 24 <211> 512				
<212> DNA				

<400> 24			
gcaaaacaag cctaagcaag cacaacgaag agcagaagto	: agtgaaatta	aaaagaggaa	60
aaagaaaaat cataaaaaatc ataaaaagtt atttctttga			120
aagactgaca cagataaaaa ggaattagac ccaaatcagt	gaacaggaat	gaaatagagg	180
atatcactac agaggetgea gecattgaaa ggataattag	gaaatcccac	agataacttt	240
gtgctcataa atttgacaat gtagaggaaa tatctttagt	tttaattagc	tttttattt	300
agtttttctc aaaaactaaa acttaataaa actcaaccaa	gacaaaatag	acaatcagaa	360
tgtaggcata cctcagagat gtggcggatt tggtttcaga	ctactgcaat	aaaccaaata	420
tggcaataaa aggagtcaca gaaagtggtt tcccagtgta	tatatataaa	agttacattt	480
actctatgaa gtgcaataac attttgtcta aa			512
<210> 25			
<211> 461			
<212> DNA			
<213> Homo sapien			
The state of the s			
<400> 25			
ctctgtttca gcacctcatt gggattattg aactcattaa			60
ttgttcattg aaatctctag ccatttccct ggttaaacag			120
aaagaacatt cgtggtggtt tagtgatgag gttaatatto			180
ttggaaaaac cacgttggac tgagttttga ggagcaaaga			240
ggccctgtat ccccacaagc cctgggtatt tttctctcat			300
ggatacctga aaatgtgatt ttatatattc ttggcatcca			360
aaggaagtta cagttatctc cccagaaatt aatgggtcat	_	taggttttca	420
tttccttctg ttgcttgtta gaatgatgtt cttgtgggaa	ı a		461
<210> 26			
<211> 317			
<211> 317 <212> DNA			
<212> DNA <213> Homo sapien			
(213) Homo Saptem			
<400> 26			
tgctggagtc ggaactgctg cctttgtttg gcggccttgt	ttcttaaatc	agttccctct	60
taggatttat tacactaaaa aaaaattagt ttttgaaaaag	aaataggaga	atacagaaac	120
atgaatttca cgaggctatc atctaacagt gggggctttc	tacacacgtg	gtgccaaaat	180
gtgtcattct gagtcaattg caattcctct ctaggagtga	aaagagataa	aagataagcc	240
aagaaccctg gacagattct tggtgttggt gacaaagagg	aaaggacctg	agaatggggc	300
tggtggggag agggggg			317
210 25			
<210 > 27			
<211> 250			
<212> DNA			
<213> Homo sapien			
<400> 27			
taattgctgt gattattaga attctatcat gactgtattg	tagtttttgc	tctattycag	60
ataagcmaga tctaagaagt tatcaaaact attctttaaa			120
ttcttccatt atttttcct cctaccactg agttttgtaa			180
gcaatacagg tgaatactaa actgttattt ttagcttctt			240
ttcctggaaa			250

```
<210> 28
      <211> 532
      <212> DNA
      <213> Homo sapien
      <400> 28
                                                                        60
cctatatcat tcatttatac agaagctgct tgctgcttag caagttggtg ggtttgattt
tccttggttg ctttgcagac ctcccttgag aggattcctt ctggatggag atttctttgt
                                                                       120
tgctgtctcc cttgccacaa ctctgaccaa gattgcattg cgctatgtag ctttggttca
                                                                       180
                                                                       240
ggagaagaaa aagcaaaatt cttttgttgc tgaggctatg ttgctcatgg ctactatcct
gcatttggga aaatcctctc ttcctaagaa gccaattact gatgatgatg tggatcgaat
                                                                       300
ttccctgtgc ctcaaggtct tgtctgaatg ttcaccttta atgaatgaca ttttcaataa
                                                                       360
ggaatgcaga cagtcccttt ctcacatgtt atctgctaaa ctagaagaag agaaattatc
                                                                       420
ccaaaagaaa gaatctgaaa agaggaatgt gacagtacag cctgatgacc ccatttcctt
                                                                       480
                                                                       532
catgcaacta actgctaaga atgaaatgaa ctgcaaggaa gatcagtttc ag
      <210> 29
      <211> 486
      <212> DNA
      <213> Homo sapien
      <400> 29
ctgtttttgg acttaattaa cywttgcaag tggaaaccaa gaaataattg tagcataact
                                                                        60
ctctctattg tcatgttgct tctttctgca aatatatctt acaagttaga ctttaaacct
                                                                       120
ttgatctccc acaccaaaag agaaaataat atttatatgg aagtaatttt attttagtgt
                                                                       180
ttgtgattta ttgtggagag caggbgttta aaaattttag aatttctttt taacaaaatc
                                                                       240
                                                                       300
aaatacattg ttaaggtaac aaagaataat tcactatttc agcatttcaa agcaacatat
tctacaactt caaagatatt tgcaaaaata atacaactgt tgaagttcaa atgttatgga
                                                                       360
aagaaacatt agaagtatga aaagtggtac aaaaacatgt ttctttttat tctcttggat
                                                                       420
atatatctat atatttagga aaatacatat atgtatgtgt atgtatatat atgtatgaaa
                                                                       480
                                                                       486
atatac
      <210> 30
      <211> 240
      <212> DNA
      <213> Homo sapien
      <400> 30
aagacctgag gaaggaaaac aaattggctt cctgctgaag aakcaaaata gacatttttt
                                                                        60
aatgtetett gaccecagtt ccaagtteac cetgttgeet gttetteete ccacettttg
                                                                       120
gggttctata actgcatccc ccacacatct ttcaccacca ccccatacat accagctctc
                                                                       180
ctgttgtggg attcaggaca taggaagagt tgctgaaggc acgggtgctt ttgggattcg
                                                                       240
      <210> 31
      <211> 233
      <212> DNA
      <213> Homo sapien
      <400> 31
ccattgatgc aggatatcgg cacattgact gtgcctatgt ctatcagaat gaacatgaag
                                                                        60
```

tgggggaagc catccaagag aagatccaag agaaggctgt gaagcgggag gacctgttc tcgtcagcaa gttgtggccc actttctttg agagacccct tgtgaggaaa gcctttgaga agaccctcaa ggacctgaag ctgagctatc tggacgtcta tcttattcac tgg	
<210> 32 <211> 233 <212> DNA <213> Homo sapien	
<400> 32 gaggaatgct ggactggagg cccctggagc cagatggcaa gagggtgaca gcttccttte ctgtgtgtac tctgtccagt tcctttagaa aaaatggatg cccagaggac tcccaaccc ggcttggggt caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttgt ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct agg	120
<210> 33 <211> 319 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 33  ctgggcctgg atggtctagg atagccttac tcacttgcct ggcaggtgac aggctgttggctggattgc ttggttctcc tccatgtggc ctctccagta ggctagctca ggcttattcc catgatggct tcaggattcc aaagagagtg agagtagaag ctgaaagact tcttgagttc ttggcctgga actgggacta ggacagtgtc acttctgcta agttcttttg gtcagagcaa atcacaaggc tttacccaga ttcaagggat gagaaacaga ctacatgtct tgatgaggga aaccacaaaag agcttgtgg</pre>	120 180 1 240
<210> 34 <211> 340 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 34  tacagattta attcatgtta ttaactccct gccttttacc tcctccctcc tcccttggca caactgccag atggatgtgg ctggaagtca gaggacattc tcgtgggttc gtgggcctag ggtacaaatg acctcagcgt gacagcaaac aggacagaga agaccaggct cttactcagg aatccaccag ccaggagaat gacaatgttg aacaccggaa ccctgatgat atctgtcaca tttgtaaggt tgatttcaga gtcaggagtg gagacatcgg cagttgactt gggtggagct tgggtcacag ttctggggct ggtatagagt gggcacaagg</pre>	120 180 a 240
<210> 35 <211> 170 <212> DNA <213> Homo sapien	
<400> 35 acatgggtcc ttcactcctc gctgagatgt tgcggcagcc ttttcttcca atgcggttgt ggcaggagaa tccacggatg taatgttttc acctttttcc ctgagggtgc tttctgagga accagycctt aagaggtggg gtcttggatt cctgacccag gcgtccggca	

<210> 36 <211> 475 <212> DNA <213> Homo sapien <400> 36 60 ctgtttttgg acttaattaa ccattgcaag tggaaaccaa gaaataattg tagcataact ctctctattg kcatgttgct tctttctgca aatatatctt agaagttaga ctttaaacct 120 ttgatctccc acaccaaaag agaaaataat atttatatgg aagtaatttt attttagtgt 180 ttgtgattta ttgtggagag caggtgttta aaaattttag aatttcttta acaaaattct 240 aaagagaaaa taaaaaagaa atcacagtat ttacagagat aacagaatgg cttagccatg 300 caaaacaaat aactttggtt tttccccttt tactttggtt taaatgttga ccaagattca 360 attititic cigccaaata aaacticaat aaaagtitag aggcaaaata acgtattitc 420 tttttttccc ataatatttt atacagcatc gagtctaaga atattttatg cattt 475 <210> 37 <211> 246 <212> DNA <213> Homo sapien <400> 37 ccttgagctt gggccgggca ctgaggcgcc ccacatatgc tgagagcagg gggaacgcat 60 ccaggcagcc aggggctagg acctcatgga tcagcagcaa gtccagcagg ttgtagtcag 120 -cgaaggagat ctggtctccc acaatgaagg tcttgcctcc ctggttctgg gacagcaggg 180 tctcaaaagg cttcagttgc ccgggcagtg ccttcacata gtcatccttg cccacctcat 240 agttgg 246 <210> 38 <211> 512 <212> DNA <213> Homo sapien <400> 38 gctggaagtg aaatgcagat cagacccatt gtgatgtcac agaaagatgg ggacaggcca 60 aagaaaaaag tgactttcaa ctcttcttcc atcattttta tcatcaccag tgatgaatca 120 ctgtcagttg acgacagcga caaaaccaat gggtccaaag ttgatgtaat ccaagttcgt 180 240 cctttgtagg aatgaagaat ggcaacgaaa gatggggcct taaattggat gccacttttg gactttcatc ataagaagtg tctggaatac ccgttctatg taatatcaac agaaccttgt 300 ggtccagcag gaaatccgaa ttgcccatat gctcttgggc ctcaggaaga ggttgaacaa 360 aaacaaattc ttttaattca acgggtgctt tacataatga aaaaaccact tgtggcacac 420 gatgggcatc taacatcatc atcttctaat gtgttggaga ttttcatttc aaatatattt 480 tttaaattac tctattttcc aaaacacgta at 512 <210> 39 <211> 370 <212> DNA <213> Homo sapien <400> 39 ttttatgaac aagatataag gatcaaaaaa aagggtgttg atatgttttt ccaagcagag 60 atgtactcga ctctgtccta tttagccttc ccatacctga cttctaatca cttttcctgg 120

434447 444 444 444 444 444 444 444 444 4	.80
congacous general against a surface of the surface	240
	00
	360
tcttaaatgg	370
<210> 40	
<211> 204	
<212> DNA	
<213> Homo sapien	
<400> 40	<b>C</b> 0
cctgagggtt ttccctttaa attttcattg agttgtccat ctccagcata tagggcttca	60 .20
	.80
55	04
getgetatat eagagetate etgg	.01
<210> 41	
<211> 447	
<212> DNA	
<213> Homo sapien	
<400> 41	
caggcagcaa ttcgtaaaga attaaatgag tacaaaagta atgaaatgga ggtacatgca	60
	.20
	.80
	40
	00
	60
	20
tgcatgtgca ggctcaccac tcccagg 4	47
<210> 42	
<210> 42 <211> 498	
<211> 430	
<213> Homo sapien	
<400> 42	
222	60
accagaced caregorates armagazza garagas garagas g	20
33 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	80
	40
3 333 3 3	00 60
	20
	80
	98
	- <del>-</del>
<210> 43	
<211> 312	
<211> 312 <212> DNA	

<213> Homo sapien	
<400> 43	
caggaaggcg gccaagaatg tgagtgcaaa gattggttcc	
ttcatgacag tgtctgggct gccaaagaag cagtgccct	
gtgaagaaaa caagacacca aaggcaccac agaaagccaa	
cagcaatttc tcaaacaatg tcagctaaga agctttgctc	
gcgcccactc ttccaattaa acattctcag ccaagaagac	
actettette te	312
-210- 44	
<210> 44 <211> 417	
<211> 417 <212> DNA	
<213> Homo sapien	
(213) Homo Sapien	
<400> 44	
ctaacacatt tactctccac tattcgtact ctggtagcca	a tgttaacccc atcagagatt 60
ccttctcaag ccatgtctca gagctgagag gcatcccago	
ttttccgtaa attacttatt ctataaaatt ggagtaggcc	
gaccaatttt ttggattatt tttcgtcttc tatcattccg	
cattaaatat taaatatcac ttctaggctg aaaaatcccc	
gatttttcct ccaaattctg caatagaaga tcacaatgtg	
aagtctaatg gacattcaca cttagcatgt ctcaaagaaa	tctcatgtaa accatgg 417
<210> 45	
<211> 494	
<212> DNA	
<213> Homo sapien	
<400> 45	
cgcgtgtctg tggtatgtgt acacgtgcat gttctgcatg	tctqtaqqtc acacatqctt 60
tggtgcatgt acacgtgtgt gtgtgtatgc gtgtaggagc	
gtgtgcatgc atgtgtgcag gagcttgcac gtttgtggtg	
tgatcctgtg tgcaagcccc catgtggaca tggctatgag	
aggtaacacg catgcagcag gcccactgtg cgtgtctgag	
ggtgtgaatc atgcagcagg cccactgtgc gtgtctgaga	
gtgtgaatca gtgaccgtgt ctctgaccaa catgctgaat	
acctgtgcag caacaaataa gatttttcaa aactcaacaa	
cttgcttcaa agtt	494
<210> 46	
<211> 516	
<212> DNA	
<213> Homo sapien	
<400> 46	
ccagtccaac ctgctcctca ttattgtata aatgagcaga	atctatatgg cggaacccag 60
cttctattgc taattttgtg acctccaaag ctttacttct	
gtcatttgat cattcaactc tttgtcagtg gcaactcccg	
gttactacac agtgagcaca aacatggtgg tccaatacag	
caaccagaaa gttcatctaa cactgtgata tttgcatcct	

aagattcatt tgatgaatcg atttttcaaa agagatgatt cttggttctt ccgagcgctc agctctcccg ccgagcttct ttgagacgtc ctcaggtgtc ctttgacgat gcgtcctcca ctttcacaca ctctagcatt ccttcactgg ggtcttcatt gccccacatt gggcagccag gaatgttggg gtgatcagac acaacaccag gtcatg	360 420 480 516
<210> 47	
<211> 459	
<212> DNA	
<213> Homo sapien	
<400> 47	
ccaattcaga gtggcattct gcatttctgt ggcttccaag tcttagaacc tcaactgaca	60
tatagcattg ggcacactcc agcagacgcc cgaattcaaa tcctggaagg atggaagaaa	120
cgcctggaga atatttggga tgagacacca ctgtattttg ctccaagcag cctctttgac	180
ctaaacttcc aggcaggatt cttaatgaaa aaagaggtac aggatgagga gaaaaacaag aaatttggcc tttctgtggg ccatcacttg ggcaagtcca tcccaactga caaccagatc	240 300
aaagctagaa aatgagattc cttagcctgg atttccttct aacatgttat caaatctggg	360
tatettteca ggetteeetg acttgettta gtttttaaga tttgtgtttt tettttteea	420
caaggaataa atgagagga atcgaksaaa aaaaaaaaa	459
<210> 48 <211> 430 <212> DNA	
<213> Homo sapien	
<400> 48	
cctatattca gccacagcct ctgggagtgg tgctgataat cggagcttgg aattacccct	60
togttotoac cattoagoca otgataggag coatogotgo aggaaatgot gtgattataa	120
agcettetga actgagtgaa aatacageea agatettgge aaagettete eetcagtatt	180
tagaccagga tototatatt gttattaatg gtggtgttga ggaaaccacg gagotootga	240 300
agcagcgatt tgaccacatt ttctatacgg gaaacactgc ggttggcaaa attgtcatgg aagctgctgc caagcatctg acccctgtga ctcttgaact gggagggaaa agtccatgtt	360
atattgataa agattgtgac ctggacattg tttgcagacg cataacctgg ggaaaataca	420
tgaattgtgg	430
210 40	
<210> 49 <211> 288	
<212> DNA	
<213> Homo sapien	
400 40	
<400> 49 ccatccgaag caagattkca gatggcagtg tgaagagaga agacatattc tacacttcaa	60
agctttggwg caattcccat cgaccagagt tggtccgacc agccttggaa aggtcactga	120
aaaatcttca attggattat gttgacctct accttattca ttttccagtg tctgtaaagc	180
caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttgac acagtggatc	240
tctgtgccac gtgggaggcc rtggagaagt gtaaagatgc aggattgg	288
<210> 50	
<211> 411	
<212> DNA	
<213> Homo sapien	

<400> 50					
ccagagaatg acattcatgt	ccccatagat	cccttgcaga	gagtacatgg	agccactgcc	60
accagtggtg atggaaagca					120
agcgtaagtg taagcaaact					180
agggactcca aaccactgca					240
cttttgttca gccacaatat					300
ggcaggatac tgaaagttcg					360
gatgggattg aagttcatgg	catagaggtc	cgactccacc	acctcccatc	c ·	411
<210> 51					
<211> 503					
<212> DNA					
<213> Homo sapi	en				
<400> 51					
gatatcttat gattaaaaac					60
ttgtgcaccc tccacaaaac					120
tcagttgtaa ataatgaatt					180
tagttagtaa tttctagttt					240 300
atattgtact tttttcatta taatatccca gaagtgagac					360
acagaagtga atgcttatat					420
actgtcaaat aattataacc					480
ggtaaacact gatgcaatta			goodgoogo		. 503
010 50	•				
<210> 52 <211> 503 <212> DNA <213> Homo sapie	en				
<211> 503 <212> DNA <213> Homo sapie	en	·			
<211> 503 <212> DNA <213> Homo sapio					
<211> 503 <212> DNA <213> Homo sapid <400> 52 gatatettat gattaaaaac	aaattaaatt				60
<211> 503 <212> DNA <213> Homo sapid <400> 52 gatatettat gattaaaaae ttgtgcacce tecacaaaae	aaattaaatt atacaaagtt	taaaagtttg	gatctttttc	tcagcaggta	120
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt	aaattaaatt atacaaagtt aggggccaaa	taaaagtttg atgcaaaacg	gatcttttc aaaaatgaag	tcagcaggta cagctacatg	120 180
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatettat gattaaaaae ttgtgeacee teeacaaaae tcagttgtaa ataatgaatt tagttagtaa tttetagttt	aaattaaatt atacaaagtt aggggccaaa gaactgtaat	taaaagtttg atgcaaaacg tgaatattgt	gatcttttc aaaaatgaag ggcttcatat	tcagcaggta cagctacatg gtattatttt	120 180 240
<211> 503 <212> DNA <213> Homo sapid  <400> 52  gatatettat gattaaaaae ttgtgcacce tecacaaaae tcagttgtaa ataatgaatt tagttagtaa tttetagttt atattgtact tttttcatta	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt	taaaagtttg atgcaaaacg tgaatattgt ggactttaat	gatcttttc aaaaatgaag ggcttcatat aagagaaatt	tcagcaggta cagctacatg gtattatttt ccatagtttt	120 180 240 300
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatccca gaagtgagac	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga	120 180 240 300 360
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatettat gattaaaaae ttgtgeacee tecacaaaae tcagttgtaa ataatgaatt tagttagtaa tttetagttt atattgtaet ttttteatta taatateea gaagtgagae acagaagtga atgettatat	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	120 180 240 300
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatccca gaagtgagac	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	120 180 240 300 360 420
<211> 503 <212> DNA <213> Homo sapid  <400> 52  gatatettat gattaaaaae ttgtgcacce tecacaaaae tcagttgtaa ataatgaatt tagttagtaa tttetagttt atattgtaet ttttteatta taatatecca gaagtgagae acagaagtga atgettatat actgtcaaat aattataace ggtaaacact gatgcaatta	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	120 180 240 300 360 420 480
<211> 503 <212> DNA <213> Homo sapid  <400> 52  gatatettat gattaaaaae ttgtgcacce tecacaaaae tcagttgtaa ataatgaatt tagttagtaa tttetagttt atattgtaet ttttteatta taatateea gaagtgagae acagaagtga atgettatat actgteaaat aattataaee ggtaaacaet gatgeaatta  <210> 53	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	120 180 240 300 360 420 480
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatcca gaagtgagac acagaagtga atgcttatat actgtcaaat aattataacc ggtaaacact gatgcaatta  <210> 53 <211> 531	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	120 180 240 300 360 420 480
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatcca gaagtgagac acagaagtga atgcttatat actgtcaaat aattataacc ggtaaacact gatgcaatta  <210> 53 <211> 531 <212> DNA	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca aga	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	120 180 240 300 360 420 480
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatcca gaagtgagac acagaagtga atgcttatat actgtcaaat aattataacc ggtaaacact gatgcaatta  <210> 53 <211> 531	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca aga	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta	120 180 240 300 360 420 480
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatcca gaagtgagac acagaagtga atgcttatat actgtcaaat aattataacc ggtaaacact gatgcaatta  <210> 53 <211> 531 <212> DNA <213> Homo sapid <400> 53	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca aga	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac taggactata	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata ctttttcctc gtcagcatgc	tcagcaggta cagctacatg gtattatttt ccatagtttt cactaactga taatgcctta tagactgaga	120 180 240 300 360 420 480 503
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatcca gaagtgagac acagaagtga atgcttatat actgtcaaat aattataacc ggtaaacact gatgcaatta  <210> 53 <211> 531 <212> DNA <213> Homo sapid  <400> 53 ttttttttt tttttaaaaat	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca aga	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac taggactata  tattatttca	gatcttttc aaaaatgaag ggctcatat aagagaaatt gaaaacaata cttttcctc gtcagcatgc	tcagcaggta cagctacatg gtattattt ccatagttt cactaactga taatgcctta tagactgaga  ccagaggkga	120 180 240 300 360 420 480 503
<211> 503 <212> DNA <213> Homo sapid  <400> 52 gatatcttat gattaaaaac ttgtgcaccc tccacaaaac tcagttgtaa ataatgaatt tagttagtaa tttctagttt atattgtact tttttcatta taatatcca gaagtgagac acagaagtga atgcttatat actgtcaaat aattataacc ggtaaacact gatgcaatta  <210> 53 <211> 531 <212> DNA <213> Homo sapid <400> 53	aaattaaatt atacaaagtt aggggccaaa gaactgtaat ttgatggttt aatttgaaca atattatgat ttttaaagca aga	taaaagtttg atgcaaaacg tgaatattgt ggactttaat gtgtattcta agccttaaac taggactata  tattatttca aggtctagta	gatcttttc aaaaatgaag ggcttcatat aagagaaatt gaaaacaata cttttcctc gtcagcatgc  ggtaatttc ttacagkgtg	tcagcaggta cagctacatg gtattattt ccatagtttt cactaactga taatgcctta tagactgaga  ccagaggkga gkgctcaagg	120 180 240 300 360 420 480 503

tttgccataa aaattcctct gaattgtatc ttcttggaag aagtaaatat ctgttcgact atacaaagaa acagagaaac cactcccatt gcaatcaatc ttcaagagag ggagcaggca agccgtgttc tttctgctga gttttataga ctctgacaag ctgtgaaata aacataaaca gaagacaaaa cagtgccaca aataagcagt agatgaccct gtgacaagac ggcattgcag aacaaagact gacgtttaaa ggggagtcat gcagagtaac atgggaacac aagcctgaca acctggtcag cttccactta ctctagctcc tttgaactct caacactaaa a	240 300 360 420 480 531
<211> 450 <212> DNA <213> Homo sapien	
<400> 54	
ccatgggtgt ctggagcwcc ctgaaactgt atcaaagttg tacatatttc caaacatttt	60
taaaatgaaa aggcactctc gtgttctcct cactctgtgc actttgctgt tggtgtgaca	120
aggcatttaa agatgtttct ggcattttct ttttatttgt aaggtggtgg taactatggt	180
tattggctag aaatcctgag ttttcaactg tatatatcta tagtttgtaa aaagaacaaa	240
acaaccgaga caaacccttg atgctccttg ctcggcgttg aggctgtggg gaagatgcct	300 360
tttgggagag getgtagete agggegtgea etgtgagget ggaeetgttg aetetgeagg	420
gggcatccat ttagcttcag gttgtcttgt ttctgtatat agtgacatag cattctgctg ccatcttagc tgtggacaaa ggggggtcag	450
<210> 55 <211> 648	
<212> DNA	
<213> Homo sapien	
<400> 55	
caacttcaac cacaggctgc tggasatgat cctcarcaag ccagggctca agtacaagcc	60
tgtctgcaac caggtggaat gtcatcctta cttcaaccag agaaaactgc tggatttctg	120
caagtcaaaa gacattgttc tggttgccta tagtgctctg ggatcccacc gagaagaacc atgggtggac ccgaactccc cggtgctctt ggaggaccca gtcctttgtg ccttggcaaa	180 240
aaagcacaag cgaaccccag ccctgattgc cctgcgctac cagctrcagc gtggggttgt	300
ggtcctggcc aagagctaca atgagcagcg catcagacag aacgtgcagg tgtttgaatt	360
ccagttgact tcagaggaga tgaaagccat agatggccta aacagaaatg tgcgatattt	420
gaccettgat attittgetg geceectaa ttatecatti tetgatgaat attaacatgg	480
agggcattgc atgaggtctg ccagaaggcc ctgcgtgtgg atggtgacac agaggatggc	540
tctatgctgg tgactggaca catcgcctct ggttaaatct ctcctgcttg gygayttcag	600
caagctacag caaagcccat tggccggaaa aaatatcaag ggtcaaat	648
<210> 56 <211> 536 <212> DNA	
<213> Homo sapien	
<400> 56	
ctggcatgag aatatttttt tttttaagtg cggtagtttt taaactgttt gtttttaaac	60
aaactataga actcttcatt gtcagcaaag caaagagtca ctgcatcaat gaaagttcaa	120
gaacctcctg tacttaaaca cgattcgcaa cgttctgtta ttttttttgt atgtttagaa	180
tgctgaaatg tttttgaagt taaataaaca gtattacatt tttaaaaactc ttctctatta	240
taacagtcaa tttctgactc acagcagtga acaaaccccc actccattgt atttggagac	300

tggcctccct ataaatgtgg tagcttcttt tattactcag tggacctgcc cgggcggccg	360
ctcgaagccg aattccagca cactggcggc cgttactagt ggatccgagc tcggtaccaa	420
gcttggccgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaatt	480 536
ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagt	236
<210> 57 <211> 391	
<212> DNA	
<213> Homo sapien	
<400> 57	<b>C</b> 0
aggaactact gtcccagagc tgaggcaagg ggatttctca ggtcatttgg agaacaagtg	60 120
ctttagtagt agtttaaagt agtaactgct actgtattta gtggggtgga attcagaaga aatttgaaga ccagatcatg ggtggtctgc atgtgaatga acaggaatga gccggacagc	180
ctggctgtca ttgctttctt cctccccatt tggacccttc tctgccctta catttttgtt	240
tctccatcta ccaccatcca ccagtctatt tatttgtcta gttggatttc atttcttctg	300
gaaaatttat tgtttattgg catgtgaccc ttgactgatg gcttcattag cattytgttt	360
ttctttttgg atccttaata gaaaactcaa t	391
<210> 58	
<211> 455	
<212> DNA	
<213> Homo sapien	
<400> 58	
gaagacatgc ttacttcccc ttcaccttcc ttcatgatgt gggaagagtg ctgcaaccca	60
gccctagcca acgccgcatg agagggagtg tgccgagggc ttctgagaag gtttctctca	120
catctagaaa gaagcgctta agatgtggca gcccctcttc ttcaagtggc tcttgtcctg	180
ttgccctggg agttctcaaa ttgctgcagc agcctccacc cagcctgagg atgacatcaa	240
tacacagagg aagaagagtc aggaaaagat gagagaagtt acagactctc ctgggcgacc	300
ccgagagctt accattcctc agacttcttc acatggtgct aacagatttg ttcctaaaaag	360
taaagctcta gaggccgtca aattggcaat agaagccggg ttccaccata ttgattctgc	420 455
acatgtttac aataatgagg agcaggttgg actgg	433
<210> 59	
<211> 398	
<212> DNA	
<213> Homo sapien	
220	
<220> <221> misc feature	
<222> misc_leature <222> (1)(398)	
<223> n = A,T,C  or  G	
<400> 59	
ctcagaggca gcgtgcgggt gtgctctttg tgaaattcca ccatggcgta ccgtggccag	60
ggtcagaaag tgcagaaggt tatggtgcag cccatcaacc tcatcttcag atacttacaa	120
aatagatcgc ggattcaggt gtggctctat gagcaagtga atatgcggat agaaggctgt	180 240
atcattggtt ttgatgagta tatgaacctt gtattagatg atgcagaaga gattcattct aaaacaaagt caagaaaaca actngntcgg atcatgctaa aaggagataa tattactctg	300
ctacaaagtg tetecaacta gaaatgatea atgaagtgag aaattgttga gaaggataca	360
gtttgtttt agatgtcctt tgtccaatgt gaacattt	398
200020000	

<211> 547

```
<210> 60
      <211> 532
      <212> DNA
      <213> Homo sapien
      <400> 60
                                                                        60
gacttetgag acctggggca cccgggcctt tgcggcagct actggcaggg cctggccacc
tcataggact cagttccctt ctgaacactc gggggacatg ggcctctaac tgcccactct
                                                                       120
gatatgcctg ggtgagccta ggagggaagg ctctgatttg gatttctcca gtcaaagctc
                                                                       180
acagaaaaaa acctggcact ttgattttca tgggatggtc ctaacagggt cagtcacctc
                                                                       240
cgagcagttt gggaacccag tttcttgtcc tgggccctca ggtcagcctg gctgaattag
                                                                       300
                                                                       360
gaccetteet tggcacaggg gtgagaaaga gettggggaa egettggeat tatggaggge
tggaaggggc tcaaccccga tttggagaga agtttgggat ggagtgggcg agagattgag
                                                                       420
agagcgagca ggaaaagagg tettggagee tgggactgat ggtggataag geetggaaag
                                                                       480
                                                                       532
aasatgacsa ggaggaggag agagggaagt gggtggatga ggagcaggct ga
      <210> 61
      <211> 466
      <212> DNA
      <213> Homo sapien
      <400> 61
gcgacggcga cgtctctttt gactaaaaga cagtgtccag tgctccagcc taggagtcta
                                                                        60
cggggaccgc ctcccgcgcc gccaccatgc ccaacttctc tggcaactgg aaaatcatcc
                                                                       120
gatcggaaaa cttcgaggaa ttgctcaaag tgctgggggt gaatgtgatg ctgaggaaga
                                                                       180
ttgctgtggc tgcagcgtcc aagccagcag tggagatcaa acaggaggga gacactttct
                                                                       240 ...
                                                                       300
acatcaaaac ctccaccacc gtgcgcacca cagagattaa cttcaaggtt ggggaggagt
ttgaggagca gactgtggat gggaggccct gtaagagcct ggtgaaatgg gagagtgaga
                                                                       360
ataaaatggt ctgtgagcag aagctcctga agggagaggg ccccaagacc tcgtggacca
                                                                       420
gagaactgac caacgatggg gaactgatcc tgaccatgac ggcgga
                                                                       466
      <210> 62
      <211> 548
      <212> DNA
      <213> Homo sapien
      <400> 62
                                                                        60
ttttgaattt acaccaagaa cttctcaata aaagaaaatc atgaatgctc cacaatttca
acataccaca agagaagtta atttcttaac attgtgttct atgattattt gtaagacctt
                                                                       120
                                                                       180
caccaagttc tgatatcttt taaagacata gttcaaaatt gcttttgaaa atctgtattc
ttgaaaatat ccttgttgtg tattaggttt ttaaatacca gctaaaggat tacctcactg
                                                                       240
agtcatcagt accetectat teageteece aagatgatgt gtttttgett accetaagag
                                                                       300
                                                                       360
aggttttctt cttattttta gataattcaa gtgcttagat aaattatgtt ttctttaagt
gtttatggta aactctttta aagaaaattt aatatgttat agctgaatct ttttggtaac
                                                                       420
tttaaatctt tatcatagac tctgtacata tgttcaaatt agctgcttgc ctgatgtgtg
                                                                       480
                                                                       540
tatcatcggt gggatgacag aacaaacata tttatgatca tgaataatgt gctttgtaaa
aagatttc
                                                                       548
      <210> 63
```

```
<212> DNA
      <213> Homo sapien
      <400> 63
tttccaaagc ggagacttcc gacttcctta caggatgagg ctgggcattg cctgggacag
                                                                         60
cctatgtaag gccatgtgcc ccttgcccta acaactcact gcagtgctct tcatagacac
                                                                        120
                                                                        180
atcttgcage atttttctta aggetatget teagttttte tttgtaagee atcacaagee
                                                                        240
atagtggtag gtttgccctt tggtacagaa ggtgagttaa agctggtgga aaaggcttat
tgcattgcat tcagagtaac ctgtgtgcat actctagaag agtagggaaa ataatgcttg
                                                                        300
ttacaattcg acctaatatg tgcattgtaa aataaatgcc atatttcaaa caaaacacgt
                                                                        360
aatttttta cagtatgttt tattaccttt tgatatctgt tgttgcaatg ttagtgatgt
                                                                        420
tttaaaatgt gatcgaaaat ataatgcttc taagaaggaa cagtagtgga atgaatgtct
                                                                        480
aaaagatctt tatgtgttta tggtctgcag aaggattttt gtgatgaaag gggatttttt
                                                                        540
gaaaaat
                                                                        547
      <210> 64
      <211> 528
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(528)
      \langle 223 \rangle n = A,T,C or G
      <400> 64
cacctmetee escewagege ttwetesgae geettgeeca segggeegee egaceceetg
                                                                         60
srccatggac cccgctcgcc csctggggmt gtygatkctg ctgcttttcc tgrckgaggc 🗀
                                                                        120 .
tgcactgggc gatgctgatc argagccaac aggaaataac reggagatet gketeetgee
                                                                        180
cctagáctac kgaccctgcc kggccctact tytccgytac tactacgaca ggyacacgca
                                                                        240
                                                                        300
gagetgeege ewgtteetgk rekggggetg erasggeaac recaacwatt yetacacekg
kgaggmttrc gackatgctw gstggargat agaaaaagtt cccaaasttt gccggctgma
                                                                        360
                                                                        420
agtgaatgag gacnaccagg gtgaggggta cacagataag tatttcttta atctaakkwc
catgacatgw gaaaaattct ttnncggtgg gngtcaccgg accggattga gaacangttt
                                                                        480
gcagatgang ctactgggat gggctcctgc rcacnaaaga aantatca
                                                                        528
      <210> 65
      <211> 547
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(547)
      <223> n = A, T, C \text{ or } G
      <400> 65
kgaatgaasa acgaacgctg gaagtagaaa tagagcctgg ggtgagagac ggcatggagt
                                                                         60
acccctttat tggagaaggt gagcctcacg tggatgggga gcctggagat ttacggttcc
                                                                        120
gaatcaaagt tgtcaagcac ccaatatttg aaaggagagg agatgatttg tacacaaatg
                                                                        180
tgacagtctc attagttgag tcactggttg gctttgagat ggatattact cacttggatg
                                                                        240
```

gtcacaaggt acatatttcc cgggataaga tcaccaggcc aggagcgaag ctatggadaaggggaagg gctccccaac tttgacaaca acaatatcaa gggctctttg ataatcad ttgatgtgga ttttccaaaa gaacagttaa cagaggaagc gagagaangt atcaaaca tactgaaaca agggtcagtg cagaaggtat acaatggact gcaaggatat tgagagtg taaaattgga ctttgtttaa aataaagtga ataagcgata tttattatct gcaaggtt ttttgtg	ett 360 agc 420 gaa 480
<210> 66 <211> 535 <212> DNA <213> Homo sapien	
<400> 66	
ggggaggtct acgcttctag agcttgagcc agcggggcga ccctgcagtg gcaggact	
gcaccgcgcc ctccaccgcc ggttggtggc ctgcgtgaca gtttcctccc gtcgacat	
<ul> <li>aaaggaagcc ggacgtgggc gggcagagag cttcatcgca gtaggaatgg cagcccca tatgaaggaa agacaggtct gctggggggc ccgggatgag tactggaagt gtttagat</li> </ul>	
gaacttagag gatgettete aatgeaagaa gttaagaage tetttegaat caagttgt	3
ccaacagtgg ataaaatatt ttgataaaag aagagactac ttaaaattca aagaaaaa	
tgaagcagga caatttgagc cttcagaaac aactgcaaaa tcctaggctg ttcataaa	
ttgaaagtat tetttetgga eattgaaaaa geteeactga etatggaaca gtaatagt	
gaatcatagt gaacatcaat acttgttccc tatatacgac acttgataat taaga	535
<210> 67 <211> 527 <212> DNA <213> Homo sapien	
<400> 67	.qt 60
atttctgcca cttaattcaa acagtcatat gcaggtcgct taatttattt gtgctttt ttcatcttct acaaggccct cttagctcta aaacttgaca gtggaataag gaaatgtt	
tccaaatctg cattgccggt gagatcctca acatcagcat gttgagatgg acctcaac	
cacctctaac cctgaaacac actactcgat attatcttag gtatgtttta gggtttag	
tgtaaaataa taatttattt ttgaaggaaa tataaaatat taaagagtaa taatagct	
cattttttaa gattcaatct aaaacaatgg actcttttt tttccatttg tgatgtag	
aagcaagaca attttgatca tgagtggtga aaagaggatc aaacttgact attcttg	
tggcagtcca gcaacaagcc tttcatttac attaaattat aacttttcat tcattcct accaaactta aaattctgct ttcctttgag tagaaggtat ttaactt	aa 480 527
<210> 68 <211> 431 <212> DNA <213> Homo sapien	32,
<400> 68	
gggaaacttc atgggtttcc tcatctgtca tgtcgatgat tatatatgga tacattta	
aaaataaaaa gcgggaattt tcccttcgct tgaatattat ccctgtatat tgcatgaa	-
agagatttcc catatttcca tcagagtaat aaatatactt gctttaattc ttaagcat	
gtaaacatga tataaaaata tatgctgaat tacttgtgaa gaatgcattt aaagctat taaatgtgtt tttatttgta agacattact tattaagaaa ttggttatta tgcttact	tt 240
totaatotgg tggtaaaggt attottaaga atttgcaggt actacagatt ttcaaaac	gt 300

aatgagagaa aattgtataa ccatcctgct gwtcctttag tgcaatacaa taaaactctg	420
aaattaaaac t	431
<210> 69	
<211> 399	
<212> DNA <213> Homo sapien	
12137 Nome Suprem	
<400> 69	
gacacggcgg acacacacaa acacagaacc acacagccag teccaggage ccagtaatgg	60 120
agagccccaa aaagaagaac cagcagctga aagtcgggat cctacacctg ggcagcagac agaagaagat caggatacag ctgagatccc agtgcgcgac atggaaggtg atctgcaaga	180
gctgcatcag tcaaacaccg gggataaatc tggatttggg ttccggcgtc aaggtgaaga	240
taatacctaa agaggaacac tgtaaaatgc cagaagcagg tgaagagcaa ccacaagttt	300
aaatgaagac aagctgaaac aacgcaagct ggttttatat tagatatttg acttaaacta	360
tctcaataaa gttttgcagc tttcaccaar aaaaaaaaa	399
<210> 70	
<211> 479	
<212> DNA	
<213> Homo sapien	
<400> 70	
cgcggcggag ctgtgagccg gcgactcggg tccctgaggt ctggattctt tctccgctac	60
tgagacacgg cggacacaca caaacacaga accacacagc cagtcccagg agcccagtaa	120
tggagagccc caaaaagaag aaccagcagc tgaaagtcgg gatcctacac ctgggcagca gacagaagaa gatcaggata cagctgagat cccaggtgct gggaagggaa	180 240
tggaaggtga tctgcaagag ctgcatcagt caaacaccgg ggataaatct ggatttgggt	300
tccggcgtca aggtgaagat aatacctaaa gaggaacact gtaaaatgcc agaagcaggt	360
gaagagcaac cacaagttta aatgaagaca agctgaaaca acgcaagctg gttttatatt	420
aggatatttg acttaaacta tctcaataaa gttttgcagc tttcaccaaa aaaaaaaaa	479
<210> 71	
<211> 437	
<212> DNA	
<213> Homo sapien	
<400> 71	
ctcagcggct gccaacagat catgagccat cagctcctct ggggccagct ataggacaac	60
agaactctca ccaaaggacc agacacagtg rgcaccatgg gacagtgtcg gtcagccaac	120
gcagaggatg ctcaggaatt cagtgatgtg gagagggcca ttgagaccct catcaagaac	180 240
tttcaccagt actccgtgga gggtgggaag gagacgctga ccccttctga gctacgggac ctggtcaccc agcagctgcc ccatctcatg ccgagcaact gtggcctgga agagaaaatt	300
gccaacctgg gcagctgcaa tgactctaaa ctggagttca ggagtttctg ggagctgatt	360
ggagaagcgg ccaagagtgt gaagctggag aggcctgtcc gggggcactg agaactccct	420
ctggaattct tgggggg	437
<210> 72	
<211> 561	
<212> DNA	

<400> 72					
ggatggtata ctgtaaattc					60
gtacctcaga atctcatgtt					120
tttattgcct tcagatcctc					180
aaagacagat tgaacctctc					240
gatgaaaaga gatttgtgtg					300
atagtcaagg tgttcaagca					360
gaaacagagc agctaaaaaa					420
aatatcacat ggtacaggaa					480
atttttaaaa aggaaatgga		cagctctata	ccatgacttc	caccctggag	540
tacaagacaa ccaaggctga	С				561
<210> 73					
<211> 916					
<212> DNA					
<213> Homo sapie	en				
<400> 73				h-h-h-h-m	<b>C</b> 0
ggagaaaata aggtggagtc					60
cactctggga acctataaag					120
gacatggccc agtcgaaggc					180
cagagagaca gggagagtca					240
ttcggatgac tgcagaaaat					300
tgaggataag ctctttaaag					360
gcacaatgta aaaaagaata					420
cccatccagg acactgggag					480
tctcatgctt ttctttataa					540
tgtatacaac atagccccaa					600
tagagatgct atatgataca					660
ctgggctgct ctcccggagg					720
ctctgccctg ctgcagacct					780
gaggggtctc aagacattct					840
ggggaaaagt atttttgaga	agtttgtctt	gcaatgtatt	tataaatagt	aaataaagtt	900
tttaccatta aaaaaa		•			916
<210> 74					
<211> 547					
<212> DNA					
<213> Homo sapie	en				
<400> 74	+++aaaa+aa	tasasttast	++++++>>+	atoccacota	60
agtggcatta acttttagaa					120
gagatatggc ctttaactga					180
ttttcttcag taaacccaac					
tcactacccc taaataaacc					240
aaaaggaagc ttagatgggc					300
tgttaaaagt gtggccactg					360
aacatagctg tgctattgca					420
cctgtgatat tgagtttaag					480
tcttggaaaa atagaagkgt	aaaatgttaa	taatacaaat	gtcactgtga	cctcctccac	540

tgagagg	547
<210> 75	
<211> 793	
<212> DNA	
<213> Homo sapien	
<400> 75	
tgaggaagtt gcaagccaac aaaaaagttc aaggatctag aagacgatta agggaaggtc	60
gttctcagtg aaaatccaaa aaccagaaaa aaatgtttat acaaccctaa gtcaataacc	120
tgaccttaga aaattgtgag agccaagttg acttcaggaa ctgaaacatc agcacaaaga	180
agcaatcatc aaataattct gaacacaaat ttaatatttt tttttctgaa tgagaaacat	240
gagggaaatt gtggagttag cctcctgtgg agttagcctc ctgtggtaaa ggaattgaag	300
aaaatataac accttacacc ctttttcatc ttgacattaa aagttctggc taactttgga	360
atccattaga gaaaaatcct tgtcaccaga ttcattacaa ttcaaatcga agagttgtga	420
actgttatcc cattgaaaag accgagcctt gtatgtatgt tatggataca taaaatgcac	480
gcaagccatt atctctccat gggaagctaa gttataaaaa taggtgcttg gtgtacaaaa	540
ctttttatat caaaaggctt tgcacatttc tatatgagtg ggtttactgg taaattatgt	600
tatttttac aactaatttt gtactctcag aatgtttgtc atatgcttct tgcaatgcat	660
atttttaat ctcaaacgtt tcaataaaac catttttcag atataaagag aattacttca	720
rattgagtaa ttcagaaaaa ctcaagattt aagttaaaaa gtggtttgga cttgggaaca	780
ggactttata cct	793
<210> 76	
<211> 461	
<212> DNA	•
<213> Homo sapien	
<400> 76	
accttgcact attcccctca gtccatctat cgaggtcttt gcaggaagca tactgggaat	60
tgaaacgaga gcctaaatga catctaagaa aggcagtgtt caataccagg tattaggtga	120
ggatgggatt ctaaggacat cagtgggagg cagggagcca ccttcagacc tcagcatgga	180
agettecaag atecagagga agaggeaaca geactgagag teataggtag aagaateate	240
acagecetge taaceaggea getgatgeee eteteceetg getecetgtg tecaaateet	300
acaggggcat ctgttggctg aactcaacct gaagccaaag agaagatgag tggagagagg	360
caacatttat agagctcagg tttctagggc tggagaggga tctggaggga cacacaggag	420
acacctggca taaccaaaaa atgattaaaa aaaaaaaaaa	461
<210> 77	
<211> 642 <212> DNA	
<213> Homo sapien	
<400> 77	
ggttgcacga aacacactgg ggaatggagc aaaacagtct ttgaatatcg aacacgcaag	60
gctgtgagac tacctattgt agatattgca ccctatgaca ttggtggtcc tgatcaagaa	120
tttggtgtgg acgttggccc tgtttgcttt ttataaacca aactctatct gaaatcccaa	180
caaaaaaaat ttaactccat atgtgttcct cttgttctaa tcttgtcaac cagtgcaagt	240
gaccgacaaa attccagtta tttatttcca aaatgtttgg aaacagtata atttgacaaa	300
gaaaaatgat acttctcttt ttttgctgtt ccaccaaata caattcaaat gctttttgtt	360
ttatttttt accaattcca atttcaaaat gtctcaatgg tgctataata aataaacttc	420
aacactcttt atgataacaa aaaaaarawa wattctttga atcctagccc atctgcagag	480

<212> DNA

caatgactgt gctcaccagt aaaagataac ctttcttct ga tagaaaagcc ctccctattt taactacctc aactggtcag aa gagtcccaga agatgaaaaa aattttatac gttgataaaa ct	acacagat tgtattctat 600
<210> 78 <211> 519 <212> DNA <213> Homo sapien	
CEES Homo Bapion	
<400> 78	
gcagaagaag aagcggacct tccgcaagtt cacctaccgc ggcgctggacatg tcctacgagc agctgatgca gctgtacagt gcggaaccggggc ctgcggcgga agcagcactc cctgctgaag cgcggaagcgccg cccatggaga agccggaagt ggtgaagacg cac	gegecage ggeggegget 120 geetgegea aggecaagaa 180 deetgeggg acatgateat 240
cctacccgag atggtgggca gcatggtggg cgtctacaac ggo ggagatcaag cccgagatga tcggccacta cctgggcgag tto	
cgtaaagcat ggccggcccg gcatcggggc cacccactcc to	· ·
gtaatggctc agctaataaa aggcgcacat gactccaaaa aaa	
gccaccgcgg gggagctcca cttttgttcc ctttaatga	519
<210> 79 <211> 526 <212> DNA <213> Homo sapien	,
<400> 79	
gtctggaggc ggtgtcctct ccgccctgtc gggtcctgga tga	
ggtcacagcc tgatctctta tgtgttcata gccattcgct ctc	
cctgaatgtg ttcctctagt tctagaaaat gaccactaat tta gtttgcccag aggcacttgt tccagaattt cccctcctgc tto	
ttggcattct aagctaaagc tttagcttcc caattcgtga tg	5 5 5
gagetgttge cageetegte aaatatggaa gagaaacaac etg	gcggtcaa aagggagtga 360
tttgttaagt ggtgcgcgtc tatctcataa ctagatgtac caa	
atggaaaggg gtaacttttg tgcttccaaa gtagctaagc aga	
gccagatgat ctttgattag gcaaacattg agttttaaag agg	320
<210> 80 <211> 281 <212> DNA <213> Homo sapien	
<400> 80	
gttatattag tgggtagtgt aacattttat ccaggttggg gtg	
tagcaagtgg tgacactaaa taccattttg aaggctgatg tgt	
ccgtagcaat gaaggataca gtactgtgtt gtgggtgagt gtt atatttgggt gtgtatgttt gaggctatga aacacgcagg agt	
tttaagagaa agcagctttt tcttaaaaatt cactgttgag a	281
	2,2
<210> 81	
<211> 405	

<211> 527

```
<213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(405)
      <223> n = A, T, C or G
      <400> 81
gtgggtggga gcgcgtgctg ttgggagttg cttggaggtt ggcggcgcgg ggctgaaggc
                                                                        60
tagcaaaccg agcgatcatg tcgcacaaac aaatttacta ttcggacaaa tacgacsacg
                                                                       120
aggagtttga statcgacat gtcatgctgc ccaaggacat akccaasctg gtccctaaaa
                                                                       180
cccatctgat gtctgaatct gaatggagga atcttggcng ttcagmagan tcagggatgg
                                                                       240
                                                                       300
gtccattata tgatccatga nccagaacct cdcatcttgc tgttccggcg scccacttac
cccaanaaac caamgaaatg aaccttggct actacttttc aatcctcaaa kcttttcaca
                                                                       360
vhtgaccttc cttcctaaca ttctttmtga taaacattta ttaag
                                                                       405
      <210> 82
      <211> 547
      <212> DNA
      <213> Homo sapien
      <400> 82
                                                                        60
tagtttttaa gaagaaattt tttttggcct atgaaattgt taaacctgga acatgacatt
gttaatcata taataatgat tottaaatgo tgtatggttt attatttaaa tgggtaaago
                                                                       120
catttacata atatagaaag atatgcatat atctagaagg tatgtggcat ttatttggat
                                                                       180
aaaattctca attcagagaa atcatctgat gtttctatag tcactttgcc agctcaaaag
                                                                       240
                                                                       300
aaaacaatac cctatgtagt tgtggaagtt tatgctaata ttgtgtaact gatattaaac
ctaaatgttc tgcctaccct gttggtataa agatattttg agcagactgt aaacaagaaa
                                                                       360
aaaaaaatca tgcattctta gcaaaattgc ctagtatgtt aatttgctca aaatacaatg
                                                                       420
tttqatttta tqcactttgt cgctattaac atcctttttt tcatgtagat ttcaataatt
                                                                       480
gagtaatttt agaagcatta ttttaggaat atatagtkgt cacagtaaat atcttgtttt
                                                                       540
ttctatg
                                                                       547
      <210> 83
      <211> 529
      <212> DNA
      <213> Homo sapien
      <400> 83
ctattctaag agatgctctt agtgatcttg cattacactt tctgaataaa atgaagatca
                                                                        60
tqqtqattaa ggatattgaa agagaagaca ttgaattcat ttgtaagaca attggaacca
                                                                       120
agccagttgc tcatattgac caatttactg ctgacatgct gggttctgct gagttagctg
                                                                       180
aggaggtcaa tttaaatggt tctggcaaac tgctcaagat tacaggctgt gccagccctg
                                                                       240
gaaaaacagt tacaattgtt gttcgtggtt ctaacaaact ggtgattgaa gaagctgagc
                                                                       300
gctccattca tgatgcccta tgtgttattc gttgtttagt gaagaagagg gctcttattg
                                                                       360
caggaggtgg tgctccagaa atagagttgg ccctacgatt aactgaatat tcacgaacac
                                                                       420
tgagtggtat ggaatcctac tgcgttcgtg cttttgcaga tgctatggag gtcattccat
                                                                       480
                                                                       529
ctacactagc tgaaaatgcc cggcctgaat cccatttcta cagtaacag
      <210> 84
```

<212> DNA

<213> Homo sapien <400> 84 cccatcacca gaatcccttc atgggaggga tggatgcctg ttgaaactca ctgacctatt 60 ggactgacgc tggggtggta tcttcatcag agctattgta agtcatccaa aaggcttctg 120 180 ctaaaagttt tgggactcgt gctgttatca agtacaatga aaatggcttt ataaatagct 240 qttttqacat tqtgataqaa ggcttgaata cggaggaaag atgtcgctgg agctagtcct 300 gagttccgac tgtccctgtg gtgggaatcc agtctgggaa agcaggactg ttttagcaaa 360 cqtqtactcg ttctataaaa atggaatctg ttctgcaggt taccgtccct ccccgcccaa 420 qcatcccctc tgtcctgtct ctctgctgct gggacccagg gctttttcag ctgcagaacc 480 527 cactggactt ccaggaatca aggaaaaagt ggaaatgtcc aactgtg <210> 85 <211> 401 <212> DNA <213> Homo sapien <400> 85 cagtgtggtg gaattcccaa gatagaaatg aaaaactctt ttatagagtg ctgacatctg 60 acattgagaa attcatgcct attgtttata ctcccactgt gggtctggct tgccaacaat 120 atagtttggt gtttcggaag ccaagaggtc tctttattac tatccacgat cgagggcata 180 240 ttqcttcaqt tctcaatqca tgqccagaag atgtcatcaa ggccattgtg gtgactgatg gagagcgtat tettggettg ggagacettg getgtaatgg aatgggcate cetgtgggta 300 360 aattqqctct atatacagct tgcggaggga tgaatcctca agaatgtctg cctgtcattc 401 tggatgtggg aaccgaaaat gaggagttac ttaaagatcc a <210> 86 <211> 547 <212> DNA <213> Homo sapien <400> 86 qaaqcctctt qtqtttqtqt gcagagaagt atatgatcca ccatgctaat gacacttgcc 60 tttttttcca ccattaaggc tttaagaaca tgtggaataa gttttttagc tgctaatgac 120 180 aaaacaaatc ctqtaactac ccagccagca agtatatagc acagaacact gtgttacttt acaagggctt atgtgactgg aataaggtgg tcccacttga ctgttccaaa gagcagcttc 240 300 tragatette agtgtteact ggtaaattte taacagtgta titgtgtaaa gtitgteatt tcatactcca tacactacag ttgctgtcac tgatccctgt tttgctggct tttaagctac 360 ttggtcaaaa atcctgcttc cttaaaacat agagaattaa tgagcatctc aagctttttc 420 480 ttttcctttt taatgatgcc tgcactatca agagtattct agtgttctct ctttgtttgg catataatca tgcaccaaac tttttatttc tttaaggtgg gagtatattt ttatttccta 540 547 aatgcca <210> 87 <211> 530 <212> DNA <213> Homo sapien <400> 87

atggattcga aataccagkg tgtgaagctg aatgatggtc acttcatgcc tgtcctggg	a 60
tttggcacct atgcgcctgc agaggttcct aaaagtaaag ctctagaggc cgtcaaatt	
gcaatagaag ccgggttcca ccatattgat tctgcacatg tttacaataa tgaggagca	g 180
gttggactgg ccatccgaag caagattgca gatggcagtg tgaagagaga agacatatt	c 240
tacacttcaa agctttggag caattcccat cgaccagagt tggtccgacc agccttgga	
aggtcactga aaaatcttca attggactat gttgacctct atcttattca ttttccagt	
tctgtaaagc caggtgagga agtgatccca aaagatgaaa atggaaaaat actatttga	
acagtggatc tctgtgccac rtgggaggcc atggagaagt gtaaagatgc aggattggc	
aagtccatcg gggtgtccaa cttcaaccac aggctgctgg agatgatcct	530
<210> 88	
<211> 529	
<212> DNA	
<213> Homo sapien	
<400> 88 acctgagcta agaaggataa ttgtcttttg gtaactaggt ctacaggttt acatttttc	t 60
gtgttacact caaggataaa ggcaaaatca attttgtaat ttgtttagaa gccagagtt	
atcttttcta taagtttaca gcctttttct tatatataca gttattgcca cctttgtga	
catggcaagg gacttttta caatttttat tttattttct agtaccagcc taggaattc	
gttagtactc atttgtattc actgtcactt tttctcatgt tctaattata aatgaccaa	_
atcaagattg ctcaaaaggg taaatgatag ccacagtatt gctccctaaa atatgcata	
agtagaaatt cactgccttc ccctcctgtc catgaccttg ggcacaggga agttctggt	
tcatagatat cccgttttgt gaggtagagc tgtgcattaa acttgcacat gactggaac	
aagtatgagt gcaactcaaa tgtgttgaag atactgcagt catttttgt	529
210. 00	
<210> 89 <211> 547	
<212> DNA	
<213> Homo sapien	
<213> Homo sapien <400> 89	
<213> Homo sapien  <400> 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa	
<213> Homo sapien  <400> 89 gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt	t 120
<213> Homo sapien  <400> 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt	t 120 t 180
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt</pre>	t 120 t 180 c 240
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa</pre>	120 t 180 c 240 a 300
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc cttttgtta atttcagtcc cctctacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata</pre>	t 120 t 180 c 240 a 300 a 360
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89 gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt</pre>	120 t 180 c 240 a 300 a 360 t 420
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89 gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgtttct</pre>	120 t 180 c 240 a 300 a 360 t 420 g 480
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc tttttcttt agtgtttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattattt acagtttt</pre>	120 180 240 a 300 a 360 t 420 g 480 g 540
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89 gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgtttct</pre>	120 t 180 c 240 a 300 a 360 t 420 g 480
<pre>&lt;400&gt; 89 gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc cttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgtttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattattt acagttttt aagtcac</pre>	120 180 240 a 300 a 360 t 420 g 480 g 540
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgctttgt cagaaggatc aagaattcta ccatcccttg ggtctttgt tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc tttttcttt agtgtttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattatt acagttttt aagtcac  &lt;210&gt; 90 &lt;211&gt; 528</pre>	120 180 240 a 300 a 360 t 420 g 480 g 540
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattattt acagttttt aagtcac  &lt;210&gt; 90  &lt;211&gt; 528  &lt;212&gt; DNA</pre>	120 180 240 a 300 a 360 t 420 g 480 g 540
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgctttgt cagaaggatc aagaattcta ccatcccttg ggtctttgt tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc tttttcttt agtgtttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattatt acagttttt aagtcac  &lt;210&gt; 90 &lt;211&gt; 528</pre>	120 180 240 a 300 a 360 t 420 g 480 g 540
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tccttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattattt acagttttt aagtcac  &lt;210&gt; 90  &lt;211&gt; 528  &lt;212&gt; DNA</pre>	120 180 240 a 300 a 360 t 420 g 480 g 540
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgattttt ttaattactg gcttctgatt tctttcactt ctgatcctt tcctttttct cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattatt acagtttt aagtcac  &lt;210&gt; 90  &lt;211&gt; 528  &lt;212&gt; DNA  &lt;213&gt; Homo sapien</pre>	120 t 180 c 240 a 300 a 360 t 420 g 480 g 540 547
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 89  gtttatatat atagcgaata aatctagttg tataaatttt taaatgccgt cagtagaaa cacacaaggt tatgatttt ttaattactg gcttctgatt tctttcactt ctgatcctt tcctttttc cagatgtagc tgagtcttga tcattttaag acaacgatgg gtagaattt gagattaatg ttaattttcc ctttttgtta atttcagtcc cctctcacta tgcttttgt cagaaggatc aagaattcta ccatcccttg ggtctttgtg tataaacaat gttaaataa ggtagactca gtctttaaga tattagacag tttttttagt ccatgggatt gtaaatata acattaactt tcctataaga atattttggc tttgtaatct atagcctcaa attggtatt attatggatt cactagacaa acagctgttt ccttattgtc ttttttcttt agtgttct atttgctatc agtagctgtt tttaaagcca tccaaggaaa ataattatt acagtttt aagtcac  &lt;210&gt; 90  &lt;211&gt; 528  &lt;212&gt; DNA  &lt;213&gt; Homo sapien  &lt;400&gt; 90</pre>	120 180 240 a 300 a 360 t 420 g 480 540 547

gttgccgccg ccgccccac tgctgtgtcc tttccagact ccagggctcc ccgggctgct ctggatccca ggactccggc tttcgccgag ccgcagcggg atccctgtgc acccggcgca gcctaccctt ggtggtctaa acggatgctg ctgggtgttg cgacccagga cgagatgcct	180 240 300
	360
tgtttctttt acaataagtt gttggaggaa tgccattaaa gtgaactccc cacctttgca	
cgctgtgcgg gctgagtggt tggggagatg tggccatggt cttgtgctag agatggcggt	420
acaagagtet gttatgeaag ceegtgtgee agggatgtge tggggggegge caccegetet	480
ccaggaaagg cacagctgag gcactgtggc tggcttcggc ctcaacat	528
<210> 91	
<211> 547	
<212> DNA	
<213> Homo sapien	
<400> 91	
atataccatt taatacattt acactttctt atttaagaag atattgaatg caaaataatt	60
gacatataga actttacaaa catatgtcca aggactctaa attgagactc ttccacatgt	120
acaatctcat catcctgaag cctataatga agaaaaagat ctagaaactg agttgtggag	180
ctgactctaa tcaaatgtga tgattggaat taraccmttt ggscyttgra ccttymtwrg	240
	300
raaaawgrmc cmacctttyt taacmtgrac cwccytmatc tctagaagct gggatggact	
tactatyctk gttwatattt taaatackga aaggtgctat gcttctgtta ttattccaag	360
actggagata ggcagggcta aaaaggtatt attatttttc ctttaatgat ggtgctaaaa	420
ttcttcctat aaaattcctt aaaaataaag atggtttaat cactaccatt gtgaaaacat	480
aactgttaga cttcccgttt ctgaaagaaa gagcatcgtt ccaatgcttg ttcactgttc	540
ctctgtc	547
<b>3</b>	
<210> 92	
\Z1\D\Z	
-211× 527	
<211> 527	
<212> DNA	
<212> DNA	
<212> DNA <213> Homo sapien <220>	
<212> DNA <213> Homo sapien	
<212> DNA <213> Homo sapien <220>	
<212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(527)	·
<212> DNA <213> Homo sapien  <220> <221> misc_feature	
<212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1) (527) <223> n = A,T,C or G	
<212> DNA <213> Homo sapien <220> <221> misc_feature <222> (1)(527) <223> n = A,T,C or G <400> 92	
<pre>&lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;220&gt;</pre>	60
<pre>&lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;220&gt;</pre>	120
<pre>&lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;220&gt;</pre>	120 180
<pre>&lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;220&gt;</pre>	120
<pre>&lt;212&gt; DNA</pre>	120 180
<pre>&lt;212&gt; DNA</pre>	120 180 240 300
<pre>&lt;212&gt; DNA</pre>	120 180 240 300 360
<pre>&lt;212&gt; DNA</pre>	120 180 240 300 360 420
<pre>&lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;220&gt;</pre>	120 180 240 300 360 420 480
<pre>&lt;212&gt; DNA</pre>	120 180 240 300 360 420
<pre>&lt;212&gt; DNA</pre>	120 180 240 300 360 420 480

<pre>&lt;400&gt; 93 ggtattcata cagccttcct aaaggcaatg ctttccacag ga ggcatcctga taggcatcca gcaatcattc cggccaagat to ttacacaatg aaggtttcaa gctgtttgcc acggaagcca ca aacaatgtcc ctgccaccc agtggcatgg ccgtctcaag aa tcttccatca gaaaattgat tagagatggc agcattgacc ta aacaacacta aatttgtcca tgataattat gtgattcgga gg atccctctcc tcactaattt tcaggtgacc aaactttttg ct cgcaaggtgg actccaagag tcttttccac tacaggcagt ac tagagatgca gacaccccag ccccattatt aaatcaacct ga</pre>	ccttggtgt ggctgaacaa 120 atcagactg gctcaacgcc 180 aggacagaa tcccagcctc 240 agtgattaa ccttcccaac 300 gacagctgt tgatagtgga 360 tgaagctgt gcagaaatct 420 cagtgctgg aaaagcagca 480
<210> 94 <211> 547	
<211> JIV <212> DNA	
<213> Homo sapien	
<220> <221> misc_feature <222> (1)(547) <223> n = A,T,C or G	
<400> 94	
gttaaacatg gtctgcgtgc cttaagagag acgcttcctg ca	
aagaatgttt ccattggaat tgttggtaaa gacttggagt tt gatgtgtctc cattcctgga aggtcttgaa gaaagaccac ag	5 5 5
caacctgctg atgaacctgc agaaaaggct gatgaaccaa tg	2 2 2 2 2
cagtotatat atgtattato aaatatgtaa gaatacaggo ad	
atctatactt tgaaccaaaa gttgcagagt ggtggaatgc ta	
agatgtgagt tttttccaag caacctcact gaaacctata ta	
tgaaagggtc tgtataatca ttttctagaa agtatgggta to	
tgaagaacat aggtgtcttt gtggttttaa agacaactgt ga	aaataaaat tgtttcaccg 540 547
cctggtn	547
<210> 95	
<211> 1265	
<212> DNA	
<213> Homo sapien	
<400> 95	
gtggtcaagc agtgattttt ctgggactgc agaagttcct go	
ctaactggga aagacccagg gagactggga tgggctcatg at	
ccaagaaagg aggaaaagct gatttttgtg aacgtcgcta ct	
cagging and canality and the cagging and c	
ctttagaggc caccaaattg gcaattgaag ctggcttccg co tatacaataa tgaggagcag gttggactgg ccatccgaag ca	3 3
tgaagagaga agacatatto tacacttoaa agotttggtg ca	
tggtccgacc agccttggaa aggtcactga aaaatcttca at	•
accttattca ttttccagtg tctgtaaagc caggtgagga ag	gtgatccca aaagatgaaa 540
atggaaaaat actatttgac acagtggatc tctgtgccac gt	
gtaaagatgc aggattggcc aagtccatcg gggtgtccaa ct	
agatgateet caacaageea gggeteaagt acaageetgt et	tgcaaccag gtggaatgtc 720

atccttactt caaccagaga aaactgctgg atttctgcaa gtcaaaagac attgttctgg	780
ttgcctatag tgctctggga tcccaccgag aagaaccatg ggtggacccg aactccccgg	840
tgctcttgga ggacccagtc ctttgtgcct tggcaaaaaa gcacaagcga accccagccc	900
tgattgccct gcgctaccag ctrcagcgtg gggttgtggt cctggccaag agctacaatg	960
agcagcgcat cagacagaac gtgcaggttt ttgagttcca gttgactgca gaggacatga	1020
aagccataga tggcctaaac agaaatgtgc gatatttgac ccttgatatt tttgctggcc	1080
cccctaatta tccattttct gatgaatatt aacatggagg gcattgcatg aggtctgcca	1140
gaaggccctg cgtgtggatg gtgacacaga ggatggctct atgctggtga ctggacacat	1200
cgcctctggt taaatctctc ctgcttggtg atttcagcaa gctacagcaa agcccattgg	1260
ccaga	1265
<210> 96	
<211> 568	
<212> DNA	
<213> Homo sapien	
<400> 96	
ccagtgtggt ggaattcggt ttaattacaa aatttgatca cgatcatatt gtagtctctc	60
aaagtgctct agaaattgtc agtggtttac atgaagtggc catgggtgtc tggagcaccc	120
tgaaactgta tcaaagttgt acatatttcc aaacattttt aaaatgaaaa ggcactctcg	180
tgttctcctc actctgtgca ctttgctgtt ggtgtgacaa ggcatttaaa gatgtttctg	240
gcattttctt tttatttgta aggtggtggt aactatggtt attggctaga aatcctgagt	300
tttcaactgt atatatctat agtttgtaaa aagaacaaaa caaccgagac aaacccttga	360
tgctccttgc tcggcgttga ggctgtgggg aagatgcctt ttgggagagg ctgtagctca	420
gggcgtgcac tgtgaggctg gacctgttga ctctgcaggg ggcatccatt tagcttcagg	480
ttgtcttgtt tctgtatata gtgacatagc attctgctgc catcttagct gtggacaaag	540
gggggtcagc tggcatgaga atattttt	. 568
<210> 97	
<211> 546	
<212> DNA	•
<213> Homo sapien	
<400> 97	
ttgtaccgta tctgtaggca tcctgtaaat aattccaagg ggaaaactaa acgaggacgt	60
gggttgtatc ctgccaggtt gagtggggct cacacgctag ggtgagatgt cagaaagcgc	120
ttgtatttta aacaaccaaa aagaattgta agggtggctt gctgccaggc ttgcactgcc	180
gttcctgggg gtgtgcatct tcgggaaagg tggtggcggg gcgtccacta ggtttcctgt	240
cccctgctgc tccttccgta agaaaatgaa atattctatg cctaatactc acacgcaaca	300
tttcttgtac tttgtaagtc gtttgcgaga atgcagacca cctcactaaa ctgtaaacgg	360
taaagagatt tttacttttg gtctccgtga gtcgcatctc tactaaggtt tacacaggaa	420
ttccacctga agacttgtgt taaagttcta cagcgcgcac tgttaactga acgtcttttt	480
cttcagccta tacgcggatc cttgttttga gctctcagaa tcactcagac aacattttgt	540
aactgc	546
<210> 98	
<211> 547	
<212> DNA	

<400> 98

tactgggtgc caagctatgt gccaggcact ttacatgtat tgatttaaca cttaacagcc actctatatt attccctttt tacagatgag gcaatttaag ctcaaagcat ttaagtagac aaccaaccta gaatcacata gcaaatgaca gaagccagag gcctcccaag tctctctaac	60 120 - 180
tccaaaccct atgcttactc tactatatca cactaccttg caataggaca aagggaatat	240
gtggtaaact atgttcccag catctaaaag ccaggagtgg ttttcatttt tctttaagaa	300
gatgatagtg tgatttgaaa catatctgaa tttcagaaga ggggactttt aaaaattgcc	360
actcataagg aaagaaagaa ctttttcaca tatttttgaa agaaacgatg gtgagaagat	420
attcttgata atagagatat gctaacattt gctttgggtg ttttgtaggt tagatttttt	480
tggtgtgtac tttataggct tgcatattgc ttactttaaa cagctgaagt tctaagtaag	540
agtgttc	547
<210> 99 <211> 122 <212> DNA <213> Homo sapien	
<400> 99	
cagcetttet gteateatet ceacageeca eccateceet gageacaeta accaeeteat	60
gcaggcccca cctgccaata gtaataaagc aatgtcactt ttttaaaaca aaaaaaaaaa	120
aa	122
<210> 100 <211> 449 <212> DNA <213> Homo sapien	
.400- 100	
<400> 100 ctgacggctt tgctgtccca gagccgccta aacgcaagaa aagtcgatgg gacagttaga	60
ggggatgtgc taaagcgtga aatcagttgt ccttaatttt tagaaagatt ttggtaacta	120
ggtgtctcag ggctgggttg gggtccaaag tgtaaggacc ccctgccctt agtggagagc	180
tggagettgg agacattace cetteateag aaggaatttt eggatgtttt ettgggaage	240
tgttttggtc cttggaagca gtgagagctg ggaagcttct tttggctcta ggtgagttgt	300
catgogggta agttgaggtt atottgggat aaagggtott otagggcaca aaactcacto	360
taggtttata ttgtatgtag cttatatttt ttactaaggt gtcaccttat aagcatctat	420
aaattgagtt ctttttctta gttgtatgg	449
<210> 101 <211> 131 <212> DNA <213> Homo sapien	
<400> 101	
ccatgttctc tcttgactac gcatatgtga gatttgcccc tccgccccgc tcgtgatagc	60
catccagate tittacetgg ecetgicitg gagaateigt titcaatete caetgatige	120
ccccttgctg g	131
<210 102	
<210> 102 <211> 199	
<210> 102 <211> 199 <212> DNA	

<400> 102 ctgctgcgcc tgatgctggg acagccccgc tcccagatgt a acctggattt tttatgtaca accctgaccg tgaccgtttg	
aataatgtga atgataataa aacagctttg acttgaaaaa a aaaaaaaaaa aaaaaaaaa	aaaaaaaaa aaaaaaaaaa 180 199
<210> 103 <211> 321 <212> DNA	
<213> Homo sapien	
<400> 103	
ttttttaggt ttttaaactt tttatttgca tattaaaaaa a	
aaatcatttg aacaaaaaaa aatggcactc tgattaaact g	
ccttgggcca gcttggtttt actctagatt tcactgtcgt cccacttttt ccttcaccaa catgcaaagt ctttccttcc c	
acagatggga aaggcaggcg cggccttcgt tgtcagtagt t	
gcacagtcat ttaaacttga t	321
<210> 104	
<211> 309	
<212> DNA	
<213> Homo sapien	
<400> 104	
ttttttttt tttttattt ttttttgca tcaaaaact t	
gcttgttagg atagttaaaa aagctgccta ttggctggag g	
cctattactt tgcaaggggc ccttcaaaag tctctgggct t	
gtggctctgg aaggcgtgag ccactttttc cgggaactgg ctacaaccgtt tcctgaaaat gcaaaaccag cggggcggcc g	2 3 3 3
aaaaagcca	309
<210> 105	
<211> 591	
<212> DNA	
<213> Homo sapien	
<400> 105	
cttatttctg catgggtcgg agagtgggcg ggactgcttt a	
gttttaacct aagcgcctca catgactaac tcctcatcca t	
cacttcccca ctcctcaccc ccctgtaaag taacctttct c	
gaatagctaa catttattaa attgtggcac gtaagtatct t	
atcctcacac ctactatttt acagagatgc cagtggggct t	
aggeteceae tgetggtaaa eagtagaggg ggeteetgae e eccatteeet eaactgegga teeeggatte eettateaee e	3 33 3
tgtggtaaca tttgttgcat gaatggaccg ttgaaatagg g	
ggaaatgaat gaatggttot tocotggoag cotttgatga o	3 33 33 3
ggaaagccat ttttctccct gggactcctt gaaagcccgg g	5 555
<210> 106	
<211> 450	

<212> DNA <213> Homo sapien <400> 106 ctgccactcc tgcctctgct accccgaaac cggagagga gctcaataat aacacaggtc 60 ccactaaact aattaaggtg ttggcataac ctgtcattga attcaagtgt ccaacaactg 120 180 tttgcttaaa atatcattag acctaatatt tttttcaaag gcacaaagtt taaacatggg 240 ggggggggt gttgagaggg gtctgggata cccttaaacc caaaaaagtg atttgttccc ccttgcccag aagggtgact gttccactgg gcctgtcacc acaggacatt ttccatgaca 300 agcactcacc ttcttgggga aggggcatca ggttggcaca ggaaaggccc aagtgagggg 360 420 ccactctgta cattaatact ttggtgatta atgtttgggg agaggcagga ttctcaccca 450 cctttttgac ttcaaacact ctcactcaag <210> 107 <211> 116 <212> DNA <213> Homo sapien <400> 107 tcgacgaaag ttactgtcac tcagttgtaa atccatcagc ttttcacctg ttaaaaaattt 60 tgcaaaatat acatgttctc ctcctgtttt caattcttcc atctttttc ttgagg 116 <210> 108 <211> 291 <212> DNA <213> Homo sapien <400> 108 ctgctcgaag ttgtcaaaac ccacgtgcag ggcaatggag agtccgatgg ccgaccacag 60 cgagtagcgt cctcccaccc aatcccagaa ctcgaacatg ttttgagggt caattccaaa 120 ctccttcact ttggttgtgt tagtagacag ggcaacaaag tgcttcgcca ctgcagtagg 180 atccttggcc gcctggagaa accactcctt cgccgtctct gcattcgtga tggtctcctg 240 291 ggtagtaaag gtcttggagg caatgatgaa cagggaggac tcggggttca g <210> 109 <211> 662 <212> DNA <213> Homo sapien <400> 109 gctgtttcca cagtacgcct gcctcacacc ttgcgatgcg ccaacatcac catcattgag 60 caccagaagt gtgagaacgc ctaccccggc aacatcacag acaccatggt gtgtgccagc 120 gtgcaggaag ggggcaagga ctcctgccag ggtgactccg ggggccctct ggtctgtaac 180 cagtetette aaggeattat eteetgggge caggateegt gtgegateae eegaaageet 240 300 ggtgtctaca cgaaagtctg caaatatgtg gactggatcc aggagacgat gaagaacaat tagactggac ccacccacca cagcccatca ccctccattt ccacttggtg tttggttcct 360 gttcactctg ttaataagaa accctaagcc aagaccctct acgaacattc tttgggcctc 420 480 ctggactaca ggagatgctg tcacttaata atcaacctgg ggttcgaaat cagtgagacc 540 tggattcaaa ttctgccttg aaatattgtg actctgggaa tgacaacacc tggtttgttc 600 tetgttgtat ceceageece aaaagacage teetggaeet tgeecegggg eggeeegete ggaaaggggg cgaaatttct tcaagaatat ttccatttcc acaaacttgg ggccgggggc 660

cc	662
<210> 110 <211> 323 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 110 tcctgtgaaa cagcccattt tcctacctac tgtgggttgc tgctcaggag gaacgatata cgccaataca agcaggaaat ctgcagctcc tctgctatgt gcctcagaac actttcaatt tttctggtca atgctctgat taggtatcat acataaaagc cagcatatta gtttaaatct ctaacaaaaa actatatttt ccaaagtcat tatcatttgg gccaattaag tgatcttttc gtgctttgtt gagcttcatc tttagggcat ctcttcttc ttcccattca tgaagttcgg catttccatg tgcaaattta cag</pre>	60 120 180 240 300 323
<210> 111 <211> 336 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 111 tccagtgcgc tccagcctta tctaggaaag gaggagtggg tgtagccgtg cagcaagatt ggggcctccc ccatcccagc ttctccacca tcccagcaag tcaggatatc agacagtcct cccctgaccc tcccccttgt agatatcaat tcctaaacag agccaaatac tctatatcta tagtcacagc cctgtacagc attttcata agttatatag taaatggtct gcatgatttg tgcttctagt gctctcattt ggaaatgagg caggcttctt ctatgaaatg taaagaaaga aaccactttg tatatttgt aataccacct ctgtgg</pre>	60 120 180 240 300 336
<210> 112 <211> 218 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 112 ttttttttt ttttttttt tccagtcagg agtatttta atcactgtct acagagacac ctacatacac acacgggtgg ggaatgaacc caaagttttt aggtgaagtc tctcagggcc caccccgtgc cacagacctt cctcggttgc agagattctg ggcaaagcat ccgtgctctc atgagattat cctggggaga tttagaagaa ttttgtgg</pre>	60 120 180 218
<210> 113 <211> 533 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 113 ctgcaccgac agttgcgatg aaagttctaa tctcttccct cctcctgttg ctgccactaa tgctgatgtc catggtctct agcagcctga atccaggggt cgccagaggc cacagggacc gaggccaggc ttctaggaga tggctccaga aaggcggcca agaatgtgag tgcaaagatt ggttcctgag agccccgaga agaaaattca tgacagtgtc tgggctgcca aagaagcagt gccctgtga tcatttcaag ggcaatgtga agaaaacaag acaccaaagg caccacagaa agccaaacaa gcatcccaga gcctgccagc aatttctcaa acaatgtcag ctaagaagct</pre>	60 120 180 240 300 360

.

ttgctctgcc tttgtaggag ctctgagcgc ccactcttcc aattaaacat tctcagccaa gaagacagtg agcacaccta ccagacactc ttcttctccc acctcactct cccactgtac ccacccctaa atcattccag tgctctcaaa aagcatgttt ttcaagatct aaa  <210> 114	420 480 533
<213> Homo sapien  <220> <221> misc_feature <222> (1)(261) <223> n = A,T,C or G	
<400> 114 ccatatctgc tcggcgctac ttctttcttg gattgatcct gantgatgca ttggcgatgc ctttggagaa ggacatgtga tgtgatggtc ttcacgttcc acatgtactc gggcaaatag ggggacaaac tgaagttaaa caggtcgaaa ctagaggagc tgctgaccct ggagctgacc actttcttgg ggaaaaggac acatgaaggt gctttgcaaa agctgatgag caatctggac accaacatag gacaacaacg t	60 120 180 240 261
<210> 115 <211> 267 <212> DNA <213> Homo sapien <400> 115	
cctctctgt gggttccaga ccctgttcca gcaacaattg ctgggacacc tgggccgact gctccacctc gccaggcct ggccctctcc atctcagccc tgacagccac ccagtgataa acacagcagg cttcctaagc aatgtgacgc accagagggg tggtggtaca cgttcccctt gaagtcatct gaaaattaga gaacagattt gcctcatagc tgaagagaga ccctattcca agcatgaatg gccttgacaa tgttcct	60 120 180 240 267
<210> 116 <211> 239 <212> DNA <213> Homo sapien	·
<400> 116 ctgatgacct ggggtctagt gaaaatgcag ggtcagattc agtgggtctg gggtctgaat ctctaaggcg ctgccaagtg atgctgatgc tcctggcttg tggaccaccc tgtgtatagc aaagctctag actaggaggt ctcaaccttg gctgcacaga attatctggg gagtttttaa atttcccagt gcccaggctg cattcatatc atagtagaga cagggttttg ccatgctgg	60 120 180 239
<210> 117 <211> 168 <212> DNA <213> Homo sapien <400> 117	
aaaaaacttt tatattgctg catcttccac agttctttgg gtagtctctg aacttaaaat	60

ttgtaggagt tgtagactac ctaaattttt aagttatgga tttgttcata ggttgtaggg gtaggtaaag aaggaaacag acaagaaaat ggcttcttga ggtggcag	120 168
<210> 118 <211> 150 <212> DNA <213> Homo sapien	
<400> 118	
aaaaaaaaga gtttatttag aaagtatcat agtgtaaaca aacaaattgt accactttga ttttcttgga atacaagact cgtgatgcaa agctgaagtg tgtgtacaag actcttgaca gttgtgcttc tctaggaggt tgggtttttt	60 120 150
<210> 119 <211> 154 <212> DNA <213> Homo sapien	
<400> 119 aaactgtgtg agatattaac cagccgccct gttataaaat caggaaatcc aaacagcgat ttacaccgat taacaccccc ttttatattt tttcaaatac actgagaaaa taatcaaacg ttttcatctc tcttgtcttt ttttgttttt tcct	60 120 154
<210> 120 <211> 314 <212> DNA <213> Homo sapien	
400 400	
<400> 120 ctgcgtggag tgacgggagg agggaatcac tgtgtgtgcg agagtgcttc agactcaatt tccaaaataa ttttcacccc tctaagcatg taaattcaaa gatggatcct tcatagaaat taaaaaatca atttgagctc atttcgaata cagaacaagt atggcacaga tggaagtcct gccacgtttc ctttaatgat gctgactctt gtatcacaca ggccagcatg aagtttctta ctcagacttt acaggcattt tccgtaattc aatcagtcct gctcccagca caacacagga ggtgattcga gaat	60 120 180 240 300 314
<210> 121 <211> 601 <212> DNA <213> Homo sapien	
<400> 121	
aaaaaaacc taattcattg aagtaataac caaataattt tcaatcttga ttcaactgtg attcaaatct tacaccattt gccccttcta tgaatttatg tataaaattt tttaagagtc agagttttt tttcttgatt aattggatgt atttcacaga atttccaact gctcacgtta gtttcttcc ttttagagtt gatctctcta atgtattaga tcttcatgcc tttgatagtc tctctggaat aagtttgcag aaaaaacttc agcatgtgcc aggaacacaa cctcaccttg atcagagtat tgtacaatca catttgacgt accaggaaat gcaaaggaag aacatcttaa tatgtttatt cagaatcttc tgtgggaaaa gaatgtgaga aacaaggaca atcactgcat ggaggtcata aggctgaagg gattggtgtc aatcaacgac aaatcacaac aagtgattgt ccagggtgtc catgagctct gtgatctgga ggagactcca gtgagctgga aggatgacac	60 120 180 240 300 360 420 480 540

tgagagaaca aatcgattgg tcctcattgg cagaaattta gataaggata tccttaaaca	600 601
<210> 122 <211> 486 <212> DNA <213> Homo sapien	
<400> 122	
ctgtttctaa ttgcttttgt gactgttacc ttttagttca tgcccccca aagagctaaa tttcacatt ttacctacaa aattgattt taattcctgc aaataattta ccattatgag ctacaaggtg ggcaacagcg cctgaggatc taattttatg catattactc ccaagtattt taacacttgt tggagaagca atatctggat caataaaaca ctgtcccatc aaccattga gtggggagag ggagaagctc ttctgtaagt aagattctgg caagctcttt gaaatgagtc ttctttccca cagattttct ctactctttc aatacaaca gataggagaa gagggaatag aaacctggag gaacttgaat attttgttc tagatagaga tacagttatt gaaaaggaaa cctagaaagt agtcacacgt cgcttattta ggccagaagt aattgtactg ggcaaaaatt tcactt	60 120 180 240 300 360 420 480 486
<210> 123 <211> 239 <212> DNA <213> Homo sapien	
<400> 123	
ctggtgggtc ttttttcct ctcagagctc aagcctgtag tgcctgatgt catttctttc aagttgccca cagtatctcc acttaaacta ggctagtaac caaaataatg tggaccttct ttaggaaaca gtgtgggaga ataggagtcc agccgtaaga taaactggaa atatttgggc gtcttgtacc tggctacgca ccacctcagt gttgttccta cataaacaag gcccctttt	60 120 180 23 <sub>.</sub> 9
<210> 124 <211> 610 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(610) <223> n = A,T,C or G	
<400> 124	
ccanccaagt cnttgatgat cactgaccen cgcgcgcctg ctggaccaag gtggctgcgg ggaaatcgcc acngngcttt cggtttctt ggtgaaggaa tacaccgcgc cgacagcagg ttttcagtca gggtcaggga ctgttgcttg cgcgcgaaaa tcaccggtac gccgaggttc aggccggtca tgatcgccgg tgcaatgccc gaggcttcga tggtgacgat cttggtgatg cccgaatcct tgaacaacgc agcgaattca tcaccgatca gtttcatcag cgccgggtcg atctggtggt tcagaaaggc gtcgaccttg agtacctgat cggaaagcac gatgccttct tcgcgaattt tcttgtgcag tgcttccacg aaagcttcct ctgttggcgc aacacgcgcc gaaagtagat taaaaagtag tcgattctag cgctttaaca tcgcgcgtat atccgccagg gcggtattgc cgcgaacgc tttgacttcg gttggtgtg cgtcgttgcc ttcccatgcc aggtcatccg gcggcagttc gtcaaggaac cggctggggg cacaatcaat gatctcgccg	60 120 180 240 300 360 420 480 540 600

	C10
<pre> &lt;210&gt; 125      &lt;211&gt; 196      &lt;212&gt; DNA      &lt;213&gt; Homo sapien </pre>	610
<pre>&lt;400&gt; 125 ctatagggct cgagcggccg cccgggcagg taaaaaatca gcccctaatt tctccatgtt tacacttcaa tctgcaggct tcttaaagtg acagtatcct taacctgcca ccagtgtcca ccctccggcc cccgtcttgt aaaaaagggga ggagaattag ccaaacactg taagctttta agaagaacaa agtttt  &lt;210&gt; 126 &lt;211&gt; 247 &lt;212&gt; DNA</pre>	60 120 180 196
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 126 aaattagtta aaaaaatgca ttcctcattt gatatagcca cattccaaat gcttaaaagc cgcatgtatc tagtgactac catactggag agtacaaata tagaacttta cccgtcactg cagacagttc tgttggattg tgcagcattg gacaatatat acagtttgcc tgtatatgag aaagagagag agagagagag tgtgtgtgtg tgtgtgtg</pre>	60 120 180 240 247
<pre>&lt;400&gt; 127  cctccacggc atggcgcaat tgttgttcag gggccgccag gttgctgccc atgccgatgt agatacgttc cacgtgctta ctcgccagac gcactcgaag cgtcgccagc gctacgtttg cgcttgctgc cactgctgcg gcgacgcttt ttcggggcat cgccggtggc ttcgcctttg ctgctgagct ctttgatcat ctcgcggcgc tggctgtcgt tggcgtcctg gtagtcggtc caccactcgc caaggccgtc ggtctgttcg ccggcgcttt cacgcagcag caggaagtca tagcccggca cggaagcgcg ggttgtccag caacaggtcg gcacgtttgc cgctgcggcg tggcaggcgc tcctgcatgt cccagatttc acggatcggc atggtgaagc gtttcgggat ggcgatgcgc tggcattgct cggcgatcag ctcgtgagca gcttcctgca tggctggaat tgccggcatg ccacggtctt gcaggcgcat gacgcgttt gaaagcgcg gccacaacag ggcggcaaag aggaacgccg gggtgaccgg tttgttctgc ttgatgcga</pre>	60 120 180 240 300 360 420 480 540 590
<pre>&lt;210&gt; 128 &lt;211&gt; 361 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 128  ctgcccatgg aaaccctcca ggagctgctg gacctgcaca ggaccagtga gagggaggcc attgaagtct tcatgaaaaa ctctttcaag gatgtaacca aagtttccag aaagaattgg</pre>	60 120

<212> DNA

```
240
attattgctc ggctttactt aaggatattt ttggtcccct agaagaagca gtgaagcagg
gaatttattc taagccagga ggccataatc tcttcattca gaaaacagaa gaactgaagg
                                                                       300
                                                                       360
caaagtacta tcgggagcct cggaaaggaa tacaggctga agaagttctg cagaaatatt
                                                                       361
      <210> 129
      <211> 546
      <212> DNA
      <213> Homo sapien
      <400> 129
                                                                        60
aaaaatacaa attcagtaag acttttgctc taacaacaat ttttcaaaaac gaatcaacaa
caaaaaagta tccagtgttt cttttcttat gaagatataa taaaacacag tattggtaag
                                                                       120
cacattttaa cagtatgctt ttcttttgta gggaaaggag atatggctat gtctaacatc
                                                                       180
gtgggatcca atgtgtttga tatgttgtgc cttggtattc catggtttat taaaactgca
                                                                       240
                                                                       300
tttataaatg gatcagctcc tgcagaagta aacagcagag gactaactta cataaccatc
tctctcaaca tttcaattat ttttcttttt ttagcagttc acttcaatgg ctggaaacta
                                                                       360
                                                                       420
qacaqaaagt tgggaatagt ctgcctatta tcatacttgg ggcttgctac attatcagtt
ctatatgaac ttggaattat tggaaataat aaaataaggg gctgtggagg ttgatattat
                                                                       480
                                                                       540
taatagtgtt atgcagaaaa tatgaatggc agggaggggc agagagaaaa atccatttct
                                                                       546
tcattt
      <210> 130
      <211> 733
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(733)
      <223> n = A,T,C or G
      <400> 130
ggggcctctt cctaaaggca ctaatcccat ccaatagggc ttaacctcat gacttaatca
                                                                        60
                                                                       120
actttcaaag acaccacatc ctaatgccat cacatcagaa tttaggcttc aacatatgaa
ttttgggggg acacaaacat tcacctcata gcattcattg tttcttgtta ttggcaaagc
                                                                       180
                                                                       240
caagactcac attgtctaag ttatttgact tttgagtccg cagatgtgaa aacagtgcta
                                                                       300
aacagtccag cttcatgagt ggagaacagc atttgtgaca accaccaaag tacctctgtg
                                                                       360
gtcagtgtcc tcaaccaggg cacagcatca tggaccagag cctctgcagg gcacagagga
                                                                       420
gtggtgagga acaggggctc tggagcaacc ccacttccct ctgctttgta tatggggggt
                                                                       480
totgoacatg actgoatttg aaaagggott cactgogott gotgaaggag tgoacttgag
ctagcggaga gttcccagag ggtgtctgga agaagcaaag gctattcttt gtttcactca
                                                                       540
gttatagatg gaagtcagac acttctgcct gaagtacttt cacacactcc acagtcttaa
                                                                       600
                                                                       660
gaaggatgga naaagcatgc caactactca naaaaccaca ggtgttcaag caatggtatc
cttttatncc tacaactagt ggacaaagng gggcctctgt aatttgggaa agctaggaaa
                                                                       720
                                                                       733
actttttctg ggg
      <210> 131
      <211> 305
```

<211> 627

```
<220>
     <221> misc_feature
     <222> (1)...(305)
     <223> n = A,T,C \text{ or } G
     <400> 131
aaacacatac gaatanttna actgtgatta tgaagtgaca gccggctaaa tatgtcttgt
                                                                      60
attitictic ttcctttttt tgctaactca tcctttattc cattcctgct tccatggtaa
                                                                     120
tgcaggetca aataaattac taggatacaa gattacttca ageetetttt etgtggaact
                                                                     180
cataatatga taagcatttg ttacaagatt gcctgtagtt gtttagggga caaattatat
                                                                     240
                                                                     300
tagggaaaga aagtotttot ttagttggtt aaattttota ttataattgg gtactaaatt
tattt
                                                                     305
     <210> 132
     <211> 545
     <212> DNA
     <213> Homo sapien
     <400> 132
aaacaatgct acactcattt ttggcaaagt gctgtattgt tcagtctgtg tacaaaactg
                                                                      60
accatctatg aaccaatcag tataaaaaat ttctataaaa acaaaattta gacagcggct
                                                                     120
caagaaaaca agctgccatt tatgcataga ttgatgtaca gtaacctaac caaatgtccc
                                                                     180
ttttqaattt tcaaqttact qaaaaaaaat qtqtcqaqaa acacattaaq aaqqcacatq
                                                                     240
tacagtetae aatactette agteteecta acteatgeee tgeecetata aaggaaatat
                                                                     300
360
caattattaa agttcaaaat ctctggagga aaatacaagc aaaaccactc atacactcca
                                                                     420
agcctqaaac acacatctaa cctccccagg tactggtttg gttttcagag gtccacctag
                                                                     480
aaaacaaatc taaaacttca ggcaaaacag agcaaaactg gacatttaac aattacacaa
                                                                     540
                                                                     545
ttttt
     <210> 133
     <211> 330
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(330)
     <223> n = A, T, C or G
     <400> 133
aatatttatt actaatatct tataatgttt tgtggnacca tggcatacct tgggtactat
                                                                      60
tgtaacanat agttcaggaa accctactat aaggtttatc aaatggtctc ataaacagtt
                                                                     120
acttattcaa gcacgccaaa gctcagtgaa aagtattttt cacccttact ctttctcgtg
                                                                     180
tcattcaaag agaagttttg atgtagtgta tttatttgta gggagtaatg aacagatcca
                                                                     240
tttcacagta gactttgtgc tctaggtgat gcagctaatt gccccagttt ggaaaacatg
                                                                     300
gacttggatg aattgtcttt tgtttgggac
                                                                     330
     <210> 134
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(627)
      <223> n = A,T,C or G
      <400> 134
                                                                         60
aaatattact tcaaatacat tttaaagctc aacaaacttg tgttgaactg aattgcagat
cctgaactct atttgaaaat acatcatgaa acagaaaanc ccattccaaa tgaaaatgat
                                                                        120
agtgctttgt tgggggtggg aatgaggcgg ggagactaaa tcactattaa cagacttctt
                                                                        180
ttcccaatgc aatttgtcaa aagttcaaaa gttctgaaat gtactaaatc ttaagcaaat
                                                                        240
taaattcatg atattactaa aactttttaa atagtgcaat gacttatcaa gttatagtgg
                                                                        300
ctgcattaag aacaaattat tgtgtgaaat acctgtataa acacaaaata caattaaata
                                                                        360
tttctttaca aaaagctgag cattacgcat aatagtggaa tgtctttcat taggtgtatt
                                                                        420
ttttaaagat taacaaaagt aacatttcct aaaatgtata catgtgccat atttttgcaa
                                                                        480
acatgcctga gaatgtattt aaaacatttc tgtagtaaga gtttgcaaga acttcacaaa
                                                                        540
cctgcaaata aaatgcatct ttttaaaaaag gtgaaaatgg catctccaca ctgcaacaat
                                                                        600
                                                                        627
tcaaaaagtg cagcatccct aatcttt
      <210> 135
      <211> 277
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(277)
      <223> n = A, T, C \text{ or } G
      <400> 135
aaaatcaaat atattatttg ttaaaaatca gcttgtttca ttacnggaaa ttacaccagt
                                                                         60
ccgttctatt tactttcaaa ccatattcaa ctcctcaact ttcaaacatg taatcaacta
                                                                        120
atttcaaaag ggaaaaggta ccctttataa aggagagatc tgttaagaca ccaagaaatc
                                                                        180
aaaattaata tcacttaata attaagtgga taacacatgc ctcccaatac agtgcagtga
                                                                        240
                                                                        277
gaaacacaaa acatcaattc ccgcgtactc tgcgttg
      <210> 136
      <211> 486
      <212> DNA
      <213> Homo sapien
      <400> 136
aaaacagaat gaattcattg ttacagttac agaagtcaga agcccaaata cagtctgcct
                                                                         60
gaaccaaagc cagggtcagc aaggttcctt tccactgttt tgccaacttc tagaggccac
                                                                        120
ctgtattcct tggttcatgg cccctctctt catcatcaaa taatcagcat agctttatga
                                                                        180
cattggcage tetgattttg etettttgee tteetettat gtagaceett gtaattacat
                                                                        240
tgggtacacc cagataaccc caaataatct ccctatctca agattcttaa tgtaattata
                                                                        300
ttqqqaaaqt cccttttgtc atataagata acatagcaat ggattccaag gattagtatg
                                                                        360
tgagtttctt ttgaggggct ataattaacc ctaccacaat atggaaatgt ctattgtttt
                                                                        420
```

tctatgtacc agaaataaga cattaggatg t	gaaattaat aacataacac cacttacggc 480 486
<210> 137 <211> 552 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(552) <223> n = A,T,C or G	
<pre>&lt;400&gt; 137 ccatcttgca tcaaatgttc ttaaggcagt g ccagttgcaa acacaggatc catgcaacag tc ggatgcggat caaatgcaga actcccaaat tc aacatagaac atcaacaaca cacatctccc acaccaacaata acaaaaaaac cacaataaaa actgtattgcan aaagaaaaaa aatgtatata tc tgcatagtca attacctaac accaagtttc tc ctgatactag cagcatgtct acaggctaag ac gcatttacaa aattaaatta ctgaataaaa ac gtaataattt tt</pre>	tctgagacc atacacttag aaaccacagg 120 ataaaacag tcaggctaca ctcaaaacaa 180 aaaaaagaag tgcaacgcat gcttgtataa 240 atgcagagt ctcccaaaca agttttcaaa 300 atataaaat taaaaagtct gaaatactag 360 tttctttct gtccaagctc tactgcccct 420 ccatagcag caaaaaacgt ttttcatttg 480
<210> 138 <211> 231 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 138 aaattttact agtgttactt aatgtatatt cd aaatgtttga tctctgtttg tcattacttt td atataaaact tcttgcttaa attgaatttc td gggatcatta tcagtaattt catagcaact gd &lt;210&gt; 139 &lt;211&gt; 535</pre>	tcaaaatat ttttttctgt aaagtataat 120 atattagtg gttaattgca gtttattaaa 180
<212> DNA <213> Homo sapien <400> 139	
cagttgccaa ccctctgaac cgtttaggcc gg tggtgatccg gcaaggggtg aaaccaaaga gc cgtaagtcgc tgcgatggag tgaactatca cg gtgatttatt tttgcgaatt aacacggcag tg tatgattctg tctatcctgt acggatatac ag agaagcaggc ggcaccggca gcacggcagg ag gcgtctcatc gatgattaat cacccggtcg cg gcctggacac ggatggggat cgggagtggg aa acgagctcga gctgacgctc aatgacgatg gg	cgggggctg tgaggccctt cgcagtccct 120 gcatcgtgt ttatttcgtc aacacgaaat 180 tctcggtta cgttttcgga aagcgtggga 240 gtaattacc gggaggggat tccatggcga 300 aatgagcgg tatggcgcc ctcgggcttc 360 ccagacgca gcgctgggtt acgattcatc 420 agaggttct gagcgtgatc gctgataccg 480

```
<210> 140
      <211> 640
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(640)
      <223> n = A,T,C or G
      <400> 140
acattgqtqq cacttgaact gagtgcaaac cacaacattc ttcagattgt ggatgtgtgt
                                                                         60
catqacqtag aaaaggatga aaaacttatt cgtctaatgg aagagatcat gagtgagaag
                                                                        120
gagaataaaa ccattgtttt tgtggaaacc aaaagaagat gtgatgagct taccagaaaa
                                                                        180
atgaggagag atgggtggcc tgccatgggt atccatggtg acaagagtca acaagagcgt
                                                                        240
qactqqqttc taaatgaatt caaacatgga aaagctccta ttctgattgc tacagatgtg
                                                                        300
qcctccaqag ggctaggtta gtacaaactc gcattcatgg cttggtttcc cagaagatct
                                                                        3,60
ccatttaact tttttaaaga aagtttattg ctttctttaa cctgcatttt ttctaagttt
                                                                        420
tttttcgcat aaaggtgctg tctttgtggc aaggcctagg catgacaatc ggaggactcg
                                                                        480 .
                                                                        540
agggggatgg aggactagtg atccggctgg ctgcttccag tcgattagag aggtgaaaaa
gctgaacgtg tgcccantna atcttcaaaa aggcagaaac atatcacctt ntgcccccnt
                                                                        600
                                                                        640
aaacttgttc tttttccgaa ggggaaaaaa aaaatggaaa
      <210> 141
      <211> 127
      <212> DNA
      <213> Homo sapien
      <400> 141
aaaaatcaca cactgacaac acagaaatac gaaatgctag gaaaagtcta gcatatgaag
                                                                         60
gaaaaacatg tcttatgcac tctaatataa ttttttcaat tagtataaag gcaaatgcgg
                                                                        120
                                                                        127
tttttt
      <210> 142
      <211> 126
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(126)
      <223> n = A, T, C \text{ or } G
      <400> 142
aaatateete tggatgentt caagtaatae taateattte atgngnaaaa gtettttaat
                                                                         60
aaacaaattc agagtaaaat taattgaaat atttataata catttgttac acagttattt
                                                                        120
ccaata
                                                                        126
      <210> 143
      <211> 730
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(730)
      <223> n = A,T,C or G
      <400> 143
                                                                        60
gcaagttctg gagtgttcac ttctgagcct gaattccctc ccctgcaaaa tgggggaata
ccctcctcag agggtccctg cgagggtgag gggagatcag catggcaggt gtgctgggca
                                                                       120
                                                                       180
cggcagggcc tgggaagggc agatcettte eccatecetg ccacaaacaa cccaaacett
taaaggagag caatggcctt gtgtcaaaaa caaaaacaaa acaaaaccct gtcctaggag
                                                                       240
actggggccc taatttctaa tagcaagcct ttatgagtcc ctaacactct actgggctga
                                                                       300
                                                                       360
gtatctcaca cgccagagga taacctgcct tctgctcacc accaccccgt agtagttgtc
                                                                       420
attgtgtcca tttcacagat gaggcaaagg ctcagaagag tcatgtgtta aaccagcttc
tagageceat geaggagetg eaggtgggga gaateacete taggtgetet teccatggaa
                                                                       480
tecteaceet cettgagtgg teacteacte anettteeaa tgggtgtgtg acetttgace
                                                                       540
agetttettt cettntetgg geeteagttt eccaeettgg acaaagtaag aggtetettg
                                                                       600
                                                                       660
ggnttcangg tagttcttcc taacttcttt tccttttcat ttgagcatcc ttcttcattt
tttgccacct ctcttgtcat tacangcttt taccttcggc cgcgaaccac gcttaagggc
                                                                       720
                                                                       730
naaatttcca
     <210> 144
      <211> 485
      <212> DNA
      <213> Homo sapien
     <400> 144
ctggtcagaa atgattctct tgtgacacca tcgccacaac aggctcgggt ctgtcctccc
                                                                        60
catatgttac ctgaagatgg agctaccttt cctctgtgtg gcattttgtc gcttatccag
                                                                       120
tcttctactc gtagggcata ccagcagatc ttggatgtgc tggatgaaaa tcacctgtgt
                                                                       180
                                                                       240 ...
tgcgtggtgg gtctgctgcc gccacttcta atcctcatca tgacaacgtc aggtatggca
                                                                       300
tttcaaatat agatacaacc attgaaggaa cgtcagatga cctgactgtt gtagatgcag
cttcactaag acgacagata atcaaactaa atagacgtct gcaacttctg gaagaggaga
                                                                       360
acaaagaacg tgctaaaaga gaaatggtca tgtattcaat tactgtagct ttctggctgc
                                                                       420
                                                                       480
ttaatagctg gctctggttt cgccgctaga ggtaacatca gccctcaaaa atattgtctc
                                                                       485
aacag
     <210> 145
      <211> 465
     <212> DNA
     <213> Homo sapien
     <400> 145
ccaagacagc tcgtttctgg agagtatgag ggtgtgtttt cttattgtga aaggaactac
                                                                        60
cttctcttag agggtaggaa gaatgtggtg tgtgtgtgtc tcataaagca accggacatt
                                                                       120
ataggtgccc aggtcatcta taaaaacgat ccttgggctg tgtaaaaatg aagtggcttt
                                                                       180
tcagtatcct ctttcacact tgctgcttcg ggagactatg caatgatggg aaggtgattg
                                                                       240
cccctttatt tcattcagtg ccatggtccc tgttgttgta gtaatttatt tgtttagttc
                                                                       300
                                                                       360
atttttttt tcttaacagt caaggggaag agtgattcct cacactgctt tcaagctgga
```

ctgagccagt ctcattctgg gaaagaa			ctccatctat	420
tttttccagt cgaaagaaac tgatctt	lag geagettea	cregg		465
<210> 146				
<211> 351				
<212> DNA				
<213> Homo sapien				
•				
<400> 146				
ccagccgggg taatctgtat gtggcgg	act tgagctacga	cgtgggcggc	aagtgcctgt	60
ttgaccagat cagcggcgtg aagctta	tgc caactcatcg	tttgataaat	ccgaggatca	120
gttcaagacg tcgcagcggg tgatttt				180
agcgacggag tggttgatcg gcaagaa				240
gagcctgggg gctgggggga gtaacca				300
ctacttctga cttaagatct ccagcgt	ttt aactggcctt	atcgcaggca	a	351
<210> 147				
<211> 654				
<212> DNA				
<213> Homo sapien				
<400> 147				
acttattttt aattactgaa tatttct	ag acgttttggg	acagatttta	tgtaatcttt	60 ⋅
ataagtatga tttctgaaga aaagcaa				120
taaaccaagt attgtaaaat aaacagc				180
tgtatcactc tggaaaatgt ggagtage				240
agtgcaggtc ttagtttttc tttttc				300 .
ccaccaatcc ctttacaaaa gaatgaa				360
atoggacaga ggcaggttag tgacagt				420 480
ttgtggtttc ccggattccg cgcctage agccacttag tagttatgcg agtggate				540
taaagaacaa cacttgtttg tctgtgg				600
gcatacaaat aggatactat cgccagta				654 :
godedddda aggaeddau ogodago.				
<210> 148				
<211> 539				
<212> DNA				
<213> Homo sapien				
<400> 148	rat todaaaacto	ccatacttc	aaacactttt	60
tgaatatcat gagggtgatt ttcacctg tcaatttacc agacacactc tgtcaaga				120
ttgccttctc caacctaaaa aggaaaa				180
atcagacttg agcttatcca tctgttta				240
aaacacatag aaaaatcttg tgcatca				300
aatcctcctt ggatttcttt tttaagai				360
tgttactggg tgttctagat caaacct				420
gcttacaaat ggggtaacaa agtaaaa				480
tcaaagtata attaaaaaag aaatccta				539

<211> 273 <212> DNA <213> Homo sapien				
<pre>&lt;400&gt; 149 tttttggtca ttctcctcaa gg ccctcataca gtccggtact aa gccaagcaac tcgacccacg at cgcctacagg gcgggtaca ga tcagcagctt tcctctgtcc ca</pre>	aggccaccg acatcccgag agggtgggg cctacgctct agggacgt catttgtgac	gaacctccgg cgaagttgat	aaccacgacc tggatgctcc	60 120 180 240 273
<210> 150 <211> 200 <212> DNA <213> Homo sapien				
gtttttacta ccgtatggcc ca aaccacctag aaatatgaaa ct gtaaaaaatt ataacaaacc tt ttgcccccac aatcctaggg	caaactgc cactgacctc	cctcaccaag	ctccataaaa	60 120 180 200
<210> 151 <211> 515 <212> DNA <213> Homo sapien				
<pre>&lt;400&gt; 151 ctgtagcgat ctttaagaat at ggcaccactg ggtacagtag tt aaagagtcaa gtactagtct tt tgccttctgc attgggatat gt gmaccctctg aggcatagta at sataggatgt attctgtatt ac</pre>	ctacatgg cagtaattca tatcctca gtgtccagtg gggttaaa gagtagtcca gttttatt kraaaacatc	ttggagttga actgtcaaga atatagaaga tcacatgtat	agcagtgagg gaaatgggac gtgagaaagt tgaatactta	60 120 180 240 300 360
tttaaagttt tagaaagaat gc ggtgcaaggt cctttctatg aa atctacatcc cttttaaatg ac <210> 152 <211> 243	ettttaaaa atgettaaca acatgaate aetggaetet	taagataagc	ctgttttcat	420 480 515
<212> DNA <213> Homo sapien <400> 152 atttcaacaa catacttgtc ga	nggtagtta taaatcttct	tagggggagg	tggtggtttc	60
tgttggaatg ccaattttac ag tttgagtctg cttcagatag ca cgggtggatg atacaaaagg tc cag	gettetget getgatteag geaacaaaa aaatgatgae	gttctttaat acttttcaca	tatgcttttc cttgacaaaa	120 180 240 243

<210> 153

<211> 620

```
<212> DNA
      <213> Homo sapien
      <400> 153
ttgtcttctc taccttacca tagccagttg ctttcatttt aaaccagagc aagtaacata
                                                                        60
ttagtgactt gaatcttcat aagttaaagt aaaaaacagc aaaaaaccta gatctttgtc
                                                                       120
ttttagaaca cagaccattt tcaggaaagc agttagctaa gtgtttaatt catgaatatt
                                                                       180
gtatactgca tcccctacca caatttacac aatcctgtgg atagtcctac ctcaccctgg
                                                                       240
tcaacctaca tgatccttaa gctaatggcg gatcacgatg accttgtaga catgcacaca
                                                                       300
actatacctt tgtccaacag atcataatat atctgctatc caactggttt tacctgccta
                                                                       360
atcctactga tttgggcact gcttgtatag tctctcaagt tcacaggaaa tgttgatttt
                                                                       420
ctaaggtcct catttttaca-gagtatacag gcaaagtgac aggggaaaag gaattagtct
                                                                       480
aagagtaagg ggatgattat tatattgagg ctaaaaccac aaagtggctc aggctttaaa
                                                                       540
aaaaaacact gtggataatg acaaaaagca taagtaaaaa tattttgaga aaaataaagt
                                                                       600
                                                                       620
acaagttttg aacaccccc
      <210> 154
      <211> 843
      <212> DNA
      <213> Homo sapien
      <400> 154
cattgttagt gacccaagta aatttatagt ttttaagttc agaggaaaaa taaagcctat
                                                                        60
tttttgttaa cagtcttaat aaataataaa atggaataaa gaaaccaaaa aaaaaagaaa
                                                                       120
aagtttgtat gaaaattcat ccctatttct ttattttgga ctaagtagtc aaatttctac
                                                                       180 .
tatattaata ttatgtaagc gacacccatt taaattcact ctctttgata gaaaggtgag
                                                                       240 .
ttgattatca cacctgctat tttttcactg ccaaaragac tgcaataacc tccctccatc
                                                                       300
acceteaaaa aacaaacaga aaccatetga ggeatageea ttgtttacat attgtgtttg
                                                                       360 -
tgtgcaccta tctacaacgt tctttcttct aaggagttta tctgccaata ttttcggctt
                                                                       420
cagcagcagc gctcttcttg acagactaag agaaggatct acagaaaagt catctgatta
                                                                       480
aggttttggg tcaaattaaa actctctgga cagaatcctc tttccttcac ttggatttct -
                                                                       54.0 ·
gcaaacagaa agcagattat tctcctggca caatagcgac tctagaaacg cttatgtttt
                                                                       600
                                                                       660 ...
tcagactttg gcagaacttg ttaagaacag catcatcata atacatttgt acaaactcga
atttcagtgg ctcttttgtc ccacatgatg catgatgaaa tttataaagg tctgttttac
                                                                       720
ccccacaggg tcatttcttt tgtgttccta cagagccaat aggcttcatt taagtccaag
                                                                       780
ttattatatt aaccatccct ttcactagac tagagaactt ctttttcatg gtccatatcg
                                                                       840
                                                                       843
     <210> 155
      <211> 674
      <212> DNA
      <213> Homo sapien
      <400> 155
tttcgtgtca gccccaggtt tgctccagct attcacaagc agaatataac acaagaaaaa
                                                                        60
caattcatat cccttaggga aaaaagagga tcaattcatc actcaatatt taatacagcc
                                                                       120
aaaatgagct gccaaaacaa gcacacacac aaatactgtg aacagaaaaa tacaagaaaa
                                                                       180
tgactaagct gggagtcttg acggggtatg gacattgctt aaagcactta tcagtcccca
                                                                       240
gaaaaaccaa accaaaaaca ttttttacga tggcatggcc tcatggcccc ctttaaaact
                                                                       300
gttgatggta acaaagggca gggggtgggg agagaaaaca caatcactgc tccctttttg
                                                                       360
```

ctcgccagtg tgactgca	cc cctcacggca	ccggcatgta	cacaactacc	acacaaggag	420
gaccaagtcc ctctgctg					480
aagttctctc cgttacca					540
ttttcctgag taaactgt					600
tacagccaac tgcaatac					660
catcttgatt ggat			5555		674
caccegace ggae					
<210> 156					
<211> 671					
<212> DNA					
<213> Homo sa	pien				
.400. 156					
<400> 156 cctttagtga acaccttt	at ctccatgtcc	ctcttagagc	ccagagagct	acccataggc	60
attttccaga attcctca					120
					180
gattcaccat ttgtcagg					240
cagccacagt ctgaattg					
acaactttta gtctgagg					300
cttttcctca aatgtgtt					360
ttactagaga tctaccat					420
cttccagaca tgagggag					480
gggcatgatg aaccccct					540
aaagcactta gatgttta					600
caagttcagc cagttctc	cg ctgcttgcaa	cctctagcgc	agtaacattt	tgcagaattg	660 💢
cagattttcc c					671
<210> 157					,
<211> 474					
<211> 171					
<213> Homo say	nien				
(213) 1101110 50	<i>3</i> 10				
<400> 157					
cgcgttcttt aattcttt	aa gcctagaaag	tcctttacac	tacttaccta	aaggtcccaa	60
agtaaaacac acactagt	ag taaggctagt	gcatttccct	tctagcactc	aaagaaagct	120 😁
taacattttt gacagttt	gc aaataccgcc	ttgtatttct	gattcagcct	tattcaaagt	180
atcataataa aatattta	t aaatstatgt	tgatctgcgt	gcatttatga	tctccagatt	240
aacgttaggc ttctctgt	g ggccctaact	tggaggtgct	tttttggatc	cctcctcccg	300
tgattcattg taatttca	t tcccttgtca	tggctctgac	cagagaagat	tctaaatatc	360
tgccccaaa gccaaaat	a tatcttttga	aaagtgaaat	gaagagttga	gtcastaatt	420
tattttagat attactgc					474
-010- 150					
<210> 158					
<211> 584					
<212> DNA					
<213> Homo sa	pien				
<400> 158					
ttggattctg cagttcca	ca toattoacto	cggcaaagga	gagaacttgt	aacaaagatg	60
agtgccaagt ttagtcaa					120
tgtgttaaaa tacataca					180
caagttggaa aggatgta					240
	~~~~~~~~		J594464	55-65-5	_ 1 0

ttaataaaat tgtggctggt	actgatagac	gaaacagata	tattttctaa	atcctggaat	300	
aattattaaa aaattttaca					360	
actactgtca tttaaaacta					420	
aatcactctt ctccaaaacg					480	
ttataggatg ttgtggccct					540	
acaattctaa aaatcaatca				2	584	
		<b>3</b>				
<210> 159						
<211> 671						
<212> DNA						
<213> Homo sapi	en				•	
-						
<400> 159						
cctaatttta ttacttttct	tgccactgct	attattgata	gaaatacaat	taaataatta	. 60	
agatgaacca atccattgga	agattactaa	aattgtatct	tcccaatgcc	tcctacagta	120	
agatttcttt ataattataa	cccttggaga	caatttgaac	tttatttaaa	tgttctgctc	180	
aaatctaaat ttccttctcc	taggctgaag	cctgatctaa	ataaggaagt	agttgggata	240	
tatccacagg ctgtcgaaca	tggagctgca	tctgagagac	aggtggcagc	aaccaaaagc	300	
aaagcaggga ctgagaacag	gcaggttcca	agagcaaaat	ggaacttgaa	agccaagtat	360	
ggttcactgt aaaggagaaa	atatagaaat	acggaactag	aacacctggt	ctgggatgtg	420	
gtaagcaccc aaaatatagg	aaaactgtat	gaattcttgt	gaagcagtaa	actatgatag	480	
taatcatgtg acacatatga	taacaaactc	aaaacaggga	aaagaggggc	tttattcaat	540	
gctggagata agtgaaaaaa	aaagtgaagt	gtctcaagga	cagaagttat	catctcaaaa	600	
aggcatatca gctagatctc	gcggaaacca	tatgattatc	ataattctag	actctgttcg	. 660	
gtattacaaa g					671	
2.2						
<210> 160						
<211> 315				•		
<212> DNA	~~	•				
<213> Homo sapi	E11					
<400> 160						
ccagagaggg agggctctgc	ttcaccacag	ggcaccagaa	gaggactggt	acacaaaaa	60	
accaggtaat cataatgcta					120	ι,
atgtcataag gattttaact					180	
tttgtgctat ttaccctggt					240	
ttattccttt ttatatggtt					300	
ggtcataaaa cacac		, <b>3</b>			315	
		,				
<210> 161						
<211> 607						
<212> DNA						
<213> Homo sapi	en					
<400> 161						
tttytgtgtc accttggata					60	
aagggattat aactcactgt	tattttgata	attgagataa	atgtacgtac	aagtgctttg	120	
aaactgtaaa gtgcattata	aacagaggga	tttaccatag	aggttctacc	ttgatgtatc	180	
aagagaagcc ttttctggaa					240	
ccttggtaga atttcttaca					300	
gatgctatga ggagttcact	gtgcctttga	tttgatccca	atgggtcaga	atatgttttc	360	

tcattcagta ggctactaca ggatttgaag tagaaaaaac agggtccagt gaccttcacg ggatcctaga tgttcatgaa tttcaatcat ttgagattgt ggggtgtggt ccaatgctgc tctcaaaaaag atgttgcctt tcttcasaga gcattaataa ctaaaaaatc ccctggtccc	420 480 540
aaatttattg tgtgtmtctg aaggctttaa ctgaagaaat gaaawgcaca ctcatggaac aaactaa	600 607
<210> 162	
<211> 443	
<212> DNA <213> Homo sapien	
(213) Homo Sapter	
<400> 162	
tgagttttga aaaagtgaat aatcaaaagg aaaataattc cttgttgttc ataaattaag	60
catcactaaa gtctcttgaa aggcatttct gtattgggca agatttaaaa tactaaagcc	120 180
ttaggtccta ttcatattta aagtagcatg tttgtaacct gttactattt ggagagaga gcagttgcct gccacaattg aagactacct ttcaaatagc aaaagagaga gagaaggctg	240
atatttcggg cttttaaata aagatttgtg tggttctgct tttactgtaa ctgtcacttt	300
cccagtgaaa atgatttcat atacatttga gggtcttaca sgtatgggta aagttctata	360
aattgcaaca aaatgatacc caatttcatt ttatcctttt tgtattgtga aactggaaac	420
tttatgacat tgtaaattat cag	443
<210> 163 <211> 686 <212> DNA <213> Homo sapien	
<400> 163	
<400> 163 caggcaaatt atagtcaaat acatcacccc cctcaggcat ctgtggcaag gcatccctct	60
caggcaaatt atagtcaaat acatcacccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag	120
caggcaaatt atagtcaaat acatcacccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt	120 180
caggcaaatt atagtcaaat acatcacccc cctcaggcat ctgtggcaag gcatcctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc	120 180 240
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatcctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt	120 180 240 300
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta	120 180 240
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatcctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt	120 180 240 300 360
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tattaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tattaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540 600
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tattaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tattaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540 600
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgtttgt aatttgatca gttcaagtta aaacaattta accaaaaacc atgaatgttt atgatataat gaaatgattg ttaactttct tattgctttt tcacacacct ataaaagtaa ttttattact cccaagagaa atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag gagaagtcaa ggggagaaaa cttgtcccaa tgattcaaaa taattttggc atggggggg ggagggaaaa aaatttggct tccttt <pre>&lt;210&gt; 164</pre> <211> 706	120 180 240 300 360 420 480 540 600
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaaatctaa tagatgttta tgtaaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540 600
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgtttgt aatttgatca gttcaagtta aaacaattta accaaaaacc atgaatgttt atgatataat gaaatgattg ttaactttct tattgctttt tcacacacct ataaaagtaa ttttattact cccaagagaa atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag gagaagtcaa ggggagaaaa cttgtcccaa tgattcaaaa taattttggc atggggggg ggagggaaaa aaatttggct tccttt <pre>&lt;210&gt; 164</pre> <211> 706	120 180 240 300 360 420 480 540 600
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaaatctaa tagatgttta tgtaaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540 600 660
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggcc accagcctc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgttta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgtttgt aatttgatca gttcaagtta aaacaattta accaaaaact atgaatgtt atgatataat gaaatgattg ttaactttct tattgctttt tcacacacct ataaaagtaa ttttattact cccaagagaa atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag gagagggaaaa aaatttggct tccttt    <210 > 164	120 180 240 300 360 420 480 540 600 660 686
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatcctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaaatctaa tagatgtta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540 600 660 686
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatccctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcetcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaatctaa tagatgtta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgtttgt aatttgatca gttcaagtta aaacaattta accaaaaact atgaatgtt atgatataat gaaatgattg ttaactttct tattgcttt tcacacacct ataaaagtaa ttttattact cccaagagaa atcactaaag gcagaattac tagaggtaaa aataactagg gttggtacag tattactcag gagagggaaaa aaatttggct tccttt    <210 > 164	120 180 240 300 360 420 480 540 600 660 686
caggcaaatt atagtcaaat acatcaccc cctcaggcat ctgtggcaag gcatcctct agagaacaac taattgatta cttgatgctg aaagtggccc accagcctcc atatacacag ccccattgtt ctcctagaca aggccatgaa ctggcaaaac aagagattcg agtgagggtt gaaaaggatc ccagaacttg gatttagcat atcaggtggt gtcgggggta gaggaaaccc attcagacct gatgatgatg taagttagct ttgtatattc ttgaaacacc tataaagttt tatttaccga ttgaatactt aaatgtaagt gaaaaatctaa tagatgtta tgtaaatcta ggtagacatc acctggattc cccactctat tgcttacctt tttgttttgt	120 180 240 300 360 420 480 540 600 660 686

acatattta ttgcattatt cccattcttt gcttccagat gaacccacca gcaccacctt ccaacacttc aaatctcttg accagttgaa taaaaataag ctgggctaaa aatcaaggct tttattagaa aagtccccac	ttttatagaa cacctactca cccacatcaa ggcataaaag aactattgcc	aataactgtt ctcttcaatt aaaaagtagt ctatgagaga tttggcacca	ttagtctggc caatatgcac ttcaggagaa gatagctctg caaggttcaa	cttggaaagt atagcaaaag aaacattaat ccatctgtct	360 420 480 540 600 660 706
<210> 165 <211> 427 <212> DNA <213> Homo sapi	en				
<400> 165 tyywgggcaa ttaggcagga aaattgtccc tgtttgcaga caaaatctcc ttaagctgat caaaaatcac aagcattctt tgaactccca ttcacaactg ggatgtgaag gacctcttca tacaaacaaa tggaagaaca	cgacatgatt aagcaacttc atacaccaat cttcaaagag aggagaacta	gtatatctag agcaamgtct aacagacaaa aataaaatac caaaccactg	aaaaccccat caggatacaa cagagagcca ctaggaatcc ctcaaggaaa	tgtctcagcc aatcaatgta aaatcatgag aacttacaag taaaagagga	60 120 180 240 300 360 420 427
<210> 166 <211> 124 <212> DNA <213> Homo sapi <400> 166	en				
accatgtttt cgttgtgtgt ccgaggattc gtggaatctg ttgg					60 120 124
<210> 167 <211> 232 <212> DNA <213> Homo sapi	en				
<400> 167 cctgcatagc aaatatgatt gtcaccataa ataaatgtaa atggtacatt tgacagtttc tattttttc ctggttatta	attcattgta tgaaacagat	caaaaattcc tattttaaa	caacaactct actttttaaa	taatacaaat acctaagctt	60 120 180 232
<210> 168 <211> 677 <212> DNA <213> Homo sapi	en				
<400> 168 tttcacaatt aaccaacatg	caaaaattct	cagactaaac	actgagaaat	tcttcataca	60

atgcatttgc caccttattg catttttaaa atctttattc	tatagtgaat tggtattccc 120
aatctgccta agcaaaggca tgcccttcta acaagatttg	
aggaagaatc cgaagaccct ctggcatggc aatctgggag	
ccaagtgagc acatttcaca caattcattt agtgacaagt	
caggaaaaaa actactcaca gaccactgcc cagaatctgg	
ggtattcttc ccaacaaata aatatctaaa tattgaaagg	
aagacacaat aaccaaaacc aaaaccctct tcaaaacaag	
ttcactctaa aacattctta gcttttcttg cagtttgttc	
caagaggaac gaaattatta ataaaataaa agcttatttt	
ggtacaaaac gtttccagat ctgagactta aatggatctt	2 2 2 2
ccaggttcta ctgaaat	677
<210> 169	
<211> 635	
<212> DNA	
<213> Homo sapien	
(213) Homo Suprem	
<400> 169	
ttaagaagac tgggcattta tactctctct tgctagtcag	cctqqaqcaa qcttqqaqca 60
gacgcacatt tttgtactgg cacatattct tagacgacca	
atattacaag agtttccggg gagaaacttt aggatatact	
gcctttgttg tgggaacaga gtttttgttg gaaaagtccg	
gggccacttc tctgctttgg ttgccatgga aaatgatggc	5 55 5 5 5
tgctaatctc aataccgatg atgatgtcac catcacattt	
aaggaagcta ctccatgtgc acttcctttc tgctcaggag	3 33 3 3
agaaaaactg ctcagggagt ggctggactg ctgtgtgacg	2 22222 2 22 2
catgcagaaa gagttctcgg cgggcgaaat cacccctgg	<del></del>
tggctttgac ccgctaccga cagatccggc cgggtacatc	635
atgaggatga tgaagatgaa tgaaaaaaaa aaaaa	633
<210> 170	
<210> 170 <211> 533	
<212> DNA	
<213> Homo sapien	
<400> 170	
	tatataggas ttattatta 60
ctgtgatctc acaagtgtga aaaatcttat gaatgtaaaa	
tttttagett ceaetttggg aacatgteaa ageacacatt	
gagatgttgg aaagcccttg aacttggtcg ttaggaaaca	5 5 55
gactgtatgg aaggtcaaaa aggctgtatt aatttacatg	
atgccatate agaatgcttt tggtaaatat acatgtttta	
taaaaatatc tagctggtct gaagaccctg agttatctca	
gaactettta ttattgagga gttccactet ttcccccatt	_
agtetttaaa acaattttag getgggtgca gtggeteatt	
aaaggccgaa gcgagtggat catttgaggt caggagttcg	agaccagcct gga 533
.010. 171	
<210> 171	
<211> 568	
<212> DNA	

<400> 171 cccttgscaa actttccctt aagtattgca ctacaagtct aagacacttt tcactcaaag	60
ttccttcctt ccttacctct cttttaactt ggagtcagac tttcatcagt ctgacaactt	120
ctccctgtct ccttcctttt ccccccttca caagcatttc acctaacaaa tttcttatgt	180
gcttaatccc ctcttagaag cagatgccaa gatgggatta agcacataag aggtcctgga	240
ctaatacaat gacaaaggct ccccttgaag catcacacta aaaggaaaaa aaaaaaaaaa	. 300
acctagccat tttacattaa ctatttctaa aatatagtat ttgcttccct atttgctaaa	360
acaaaatata ctaaacatga ctattccaaa aatctgtagg gtactaagaa tatgaagaga	420
ttcactctac ttcaggggat ggagttgtag tagaaaaggc tttgtggagg gagggtggtg	480
tttgaaatgt actttaaaag ccatcctcaa agcctcgagg gctatacctg gcctggtgat	540
tatccaagga cagtccattc aaacaggg	568
<210> 172 <211> 167 <212> DNA <213> Homo sapien	
ccatttacag gaatcagcca cttcagttca gacagcttta ttaaaccgcc tggagcgaat	60
tttcgaagca tgttttcctt ccatacttgt ccctgatgct gaagaggaag ttacttccct	120
gaggcacttg ctggaaacaa gcactttgcc aataaaaacg agagagg	167
gaggeacteg ceggaaacaa geacteegee aacaaaaacg agagagg	20,
<210> 173	
<211> 391	
<212> DNA	
<213> Homo sapien	
<400> 173	
cctcccaaag tgctgggatt acaggcatga mccmccmcgc cctgatgata gacacgtttt	60
taacttctaa aaatatatga tcatgattgt gtctgtggag acttgcacat atactaaatt	120
ttaamcaatt agagatattt gttcattacc acattttggg agtcattatt tcctctatga	180
agagagaaag gaatttgata caagttcaca ggggcttcca gtagattgag acttttattt	240
ctagctgagc tgctgatgta tgaatttttt ttgktattat gactttcata tgtattaaaa	300
ataaaatgaa aaaacaaggg attaggtgag gaacctatac gtctctaata tgcaaaatac	360
cacagaaata atgactgktg ggaaaattag g	391
<210> 174 <211> 474 <212> DNA <213> Homo sapien	
<400> 174	
<400> 174 gaactcagag agaggattgt cacccttggc atctgagctg acactataag gacaatgagg	60
	120
gaactcagag agaggattgt cacccttggc atctgagctg acactataag gacaatgagg	120 180
gaactcagag agaggattgt caccettgge atetgagetg acactataag gacaatgagg agteteettg gggatagatg gggagatgga aggaegatge etgteetaeg gggtettgga	120 180 240
gaactcagag agaggattgt caccettgge atetgagetg acactataag gacaatgagg agteteettg gggatagatg gggagatgga aggaegatge etgteetaeg gggtettgga aggttaggga tacacaetgt gagetgeeac aggeteaaca gtaeggatag ggggtgetgg	120 180 240 300
gaactcagag agaggattgt caccettgge atetgagetg acactataag gacaatgagg agteteettg gggatagatg gggagatgga aggacgatge etgteetaeg gggtettgga aggttaggga tacacactgt gagetgeeac aggeteaaca gtacggatag gggtgetgg aaccagecag ggetetgate accaagetat gtgeeceatg cagaggaagg ggtagtggea	120 · 180 240 300 360
gaactcagag agaggattgt caccettgge atetgagetg acactataag gacaatgagg agteteettg gggatagatg gggagatgga aggacgatge etgteetaeg gggtettgga aggttaggga tacacactgt gagetgeeae aggeteaaea gtacggatag ggggtgetgg aaccageeag ggetetgate accaagetat gtgeeceatg eagaggaagg ggtagtggea eactgaacea eccageeaea aggetatete eccatacagg geacetttaa aaaaattate ettacagggg aagaegggga ggaaggatga actgtgtgeg gtgatgttge agtgagtgtg agtttgtge egteegettg tatgagggee tacettttae taactageee ecaactttea	120 180 240 300 360 420
gaactcagag agaggattgt caccettggc atctgagctg acactataag gacaatgagg agtctccttg gggatagatg gggagatgga aggacgatgc ctgtcctacg gggtcttgga aggttaggga tacacactgt gagctgccac aggctcaaca gtacggatag ggggtgctgg aaccagccag ggctctgatc accaagctat gtgccccatg cagaggaagg ggtagtggca cactgaacca cccagccaca aggctatctc cccatacagg gcacctttaa aaaaattatc cttacagggg aagacgggga ggaaggatga actgtgtgcg gtgatgttgc agtgagtgtg	120 · 180 240 300 360

```
<210> 175
      <211> 655
      <212> DNA
      <213> Homo sapien
      <400> 175
ccttgcaggg gtggggatgt gtgggcttgt tcactgttac agcccatgta tacctgaagg
                                                                        60
gcaacatgta cccacaaatg ttccaggagg taaataaaaa atacaattca gcctcttcta
                                                                       120
                                                                       180
aaccatcctt gttgatatct ctgctacttc cgaaagttaa ttcgttattt ggactccata
                                                                       240
attiticcta tiaaticacc ctatgiccaa ciccaacagi gaaaaaaati tattiaatci
                                                                       300
ttgcaataag cctataggca ggcagcatta tcctcagtct gcagataagc taaggctcag
agaagcttgt atactgtcac ttaggtagta attgcaagag ctggcattca gacccagact
                                                                       360
gtgggactcc tcactccatt ctctttcccc ccactaggct gctccttaaa atacaatgga
                                                                       420
                                                                       480
tgcttgatga acgcttgtgg gaatcctggg tggacacagt tccttttcgg ccaaaagcac
                                                                       540
cttgacgact tgtgaagaat taatctggaa aacttaacct atttataaaa acgtgttatt
aagggcaggt tattcccacc ccctttacca aagaaacccg ccctgacctt tttttactgg
                                                                       600
                                                                       655
gggttggtct tgggcatttt caacaagggg ggaacagttt aaaaattccc ccctt
      <210> 176
      <211> 660
      <212> DNA
      <213> Homo sapien
      <400> 176
cctggtcaaa gtgggcatta ccattcaagc attactagac atcaccgtaa cgaaggctct
                                                                        60
                                                                       120
gttcacatga aactacccct tctccattgg gggctcagac tctgctctca tccaggatcc
tgaactetge tecaggeace tgtteaacee teteteecae ceaetgeetg teaetteact
                                                                       180
gactccagtt acattgaaac aattttcagt ctaagggagg attttctacc tttcagagct
                                                                       240
                                                                       300
gacctccgac tttaagactt gacaggtatt tatcttgaaa ccagagaggg agctggagga
aaaaaaaact gagcaagcac atcaatgcct tttccaccct tcttcatcct ttccacactc
                                                                       360
                                                                       420
accgactgcc attaccaaaa cgccaagcac aaccggtttg gaacaagacg cattccgttt
                                                                       480
taattaaaac caactcatta tgtattttag tgggggggaa ggggggcaca atcagggttt
tcaccaccaa attttccaca cggtttctga acaccattgc cttttaaaaa actatttttc
                                                                       540.
cacctccaaa atatttattt aaattttatt tattacggag gtggtattct tcctttggga
                                                                       600
gccaaattgg gaaatttagg gaaccttttt tattacccgg ttttttgggc gggtaaaccc
                                                                       660
      <210> 177
      <211> 459
      <212> DNA
      <213> Homo sapien
      <400> 177
                                                                        60
ctttttctct tcctctgtgg aatggtgaaa gagagatgcc gtgktttgaa gagtaagatg
atgaaatgaw tttttaattc aagaamcatt cagaamcata ggaattaaaa cttagagaaa
                                                                       120
                                                                       180
tgatctaatt tccctgttca cacaaacttt actctttaat ctgatgattg gatattttat
                                                                       240
tttagtgaaa catcatcttg ttagctaact ttaaaaaaatg gatgtagaat gattaaaggt
tggtatgatt tttttttaat gtatcagytt gaacctagaa tattgaatta aaatgctgkc
                                                                       300
                                                                       360
tcagtatttt aaaagcaaaa aagggaatgg aggaaaattg catcttagac catttttata
                                                                       420
tgcagtgtac aatttgctgg gctagaaatg agataaagat tatttatttt tgktcatgyc
                                                                       459
ttgkactttt ctattaaaat cattttacga aaaaaaaaa
```

```
<210> 178
      <211> 720
      <212> DNA
      <213> Homo sapien
     <400> 178
                                                                    60
ctgcaagctc ccactccttc catttatctt aacgcccagg ctgacttcta agctgctttt
cactttccta cctccactgc attttcgccc ctgataattt ttgtaagctt acctaagcct
                                                                   120
cccttctttt gagatcccct tcttaaaagg gtccattcta ttaaccctac cccatatcca
                                                                   180
                                                                   240
gttactttta ctacctgctg atctatcgct accttgtcca attcatggga attacagggt
gcactgggac aagagtaaaa tgatccaaca aacataatgt tgcatttaaa aaaataagct
                                                                   300
                                                                   360
aaaagatact gatgactttt tataactaca acatattcgt ttgtgaataa gaacatatat
agtaaaaaga tgaaaatgtg aacaggttga ctatttccta aatttatggc agaaggttgt
                                                                   420
tctggagagg atgggaagaa aaaatgaagg ctggcagtga tgggtgggga aatgcaacct
                                                                   480
                                                                   540
ccaaaattat ctatctatat atttttatta aaaacaccca cagtaattat ggcaaatgtt
                                                                   600
aatggtttgt ttgttctaag gttttggata catttaagat ctcttgcttt ctgggtacca
660
atgaagaacg aagcaagttc agctctcttg gctgaaatgt tcaaatgctt gagggcaagg
                                                                   720
     <210> 179
     <211> 427
     <212> DNA
     <213> Homo sapien
     <400> 179
ctgtgaatct gtctggttct gaacttattt tttagttatt ggcaatcttt gtattactat
                                                                    60
                                                                   120
ttcaatctct tcctggttta atctaggagg gttgtatatt tccaggaatt tatccatctc
ttgtaagttt tctagtttat gcacataaac gtgttcatag tagccttgaa taatcttttg
                                                                   180
240
cttctctctt cttggttaat cttgctaatg gtctatcagt tttatttatc ttttcaaaga
                                                                   300
accagettit igiticatti atetitigia tigittiigi tigicicaat ticattiagi
                                                                   360
                                                                   420
tetgetetga tettegttat ttettttett eteetgggtt tgggtttaga ttgttettgg
                                                                   427
tttctct
     <210> 180
     <211> 728
     <212> DNA
     <213> Homo sapien
     <400> 180
caaacacaaa agtcactgtg tgtgtgatgc ttctccaatt ccactcatcc tggctgccat
                                                                    60
                                                                   120
tcatgcacta gtgcatgtat gcatttttac atttttaaa ttacaaaaat caacctatta
taactgctta gatatatatg aagtaaaaat gaaagttctc cctttacatg acccatcccc
                                                                   180
                                                                   240
catcatttcc ctctttatct tatactgtca gcattcccag cttgtagcac agtgtctggc
aatagtaaat cctcaaaaaa tgatcaatga ataatttaat aatgattaat aaataaatta
                                                                   300
                                                                   360
atgatgatgg tgaagataaa ttttagcatt tattgaacgc taactacaaa ccagggagtg
tggtaaatat tttataaaaa tcaatgaatg agctaaaatg ccattctatt atttttttgg
                                                                   420
atacggttta atattttact cataaatatg cttaaagaat attataatta tatgacttag
                                                                   480
                                                                   540
aatggtaaaa caatatgtac agcagtatcc tattttttag aataaaaata taaatatgtg
ctcacatatg tggttggggc atgcctagaa acccgattag aacgggattt tttcttacca
                                                                   600
ccattttttt tacctgggaa aaatatggga aaattttatt tcccttcttt ttggttctaa
                                                                   660
```

aatttatata caggagccta tttggctttg gataaatcat tttaaaaaaag gtggtttaaa aaaaaaaa	720 728
<210> 181 <211> 546 <212> DNA <213> Homo sapien	
<400> 181	
acaatcettt ggaagacact actgggettt gggtgetget tittaataat tgagttattt	60
tgagcttgcc aagtaggatc tattgcctgg actaaaattt atttcctaat cttctgatga	120
ccaagaaagg aaaaattaag tttgcagatg ggagatgaaa tatagccagc gaatatgcat	180
actggttctg aatgaaagga attaactttt cagtcaagaa acagtctgca tgccgtaaat	240
tgaatttttc ctgcaactgg aatgattggt taattctttt tgaacactgg cctttctccc	300
caagaacact aatgaattgc taatattttt taaagaaaac tggtttttta attaggtaag	360
ctccacttcc tcttattttt taatccctaa agaaaactgt taaaagggaa tggatctatc	420
acgccttttc ttttaaaacc acctttttaa aaaaggattt ttccaacccc caatttgctc	480
ttattttaaa attttgaacg ccaaaagaag ggaaataaaa atttttccct taattttacc	540 546
ccctta	546
<210> 182	
<211> 333	
<212> DNA	
<213> Homo sapien	
<400> 182	
ggccactctg actgggtctg ctaattcaca tgctctttgt gacatacggc tctaagaggc	60
agaggetgga agagaagtat gtgggttgtg ggatcaagat acccaagttt cagtettgac	120 180
actgetatta ettagteagg tgaceaetgt aactteatet tgattgagee teagatgtet caectgeaaa atggagtttg aaatttgeta tggttgggtg teacaeggat taaatgaaat	
aatgeetgtt aagegeetat ceageactta ataagatgge caetgeatea taatgetttg	300
ggcacaagta acacaacatc caacccaaag ggg	333
<210> 183	
<211> 393	
<212> DNA	
<213> Homo sapien	
<400> 183	
ctgaatttct tgggctttat gtggcagtgt ggtaaaaata tatgatcaga tttcactgtt	60
aagaaaatto tttcagcaat acatgtagag tcaagtttot tgcatggata actgaacatg	120
tgggttatga gattttaaaa aatgtctcgt gacaaacttt acggaaatgc aacaatctgg	180
acatctagtt ttgtctgaga gtggcgtgga tatgaagaac tgtgctgttg gtgctgatgc	240
cacactaagt tttggcagtc acactcttgg ttcttcatat ttgaggagat gggatggtga	300
ggaggcctgt tggctttatt ttattacgtg ccaccatcta gaatacagat tcttggatat	360
ttcatcttca caaaggtgaa gctgcaaact cag	393
<210> 184	
<211> 700	
<211> 700 <212> DNA	
212. Home conion	

```
<220>
      <221> misc feature
      <222> (1)...(700)
      <223> n = A,T,C \text{ or } G
      <400> 184
ccaggscawt gaggaaaagr gaaagaatwt arrggstwtt caaataggaa aaraggaagt
                                                                        60
ccaaattggt cccntgttkg ccagataacc atgattgkgk atttagaaam ccccatgwty
                                                                       120
tcagcccaaa atctccttaa gctgattaag camcttcagt aaaktctcag gataaaaaat
                                                                       180
                                                                       240
caatgtgcaa aawtcacaag crttcctatm cgamcaatam cagmcaaaca gagccaawtc
atgagtgrac tettatteac aattgetagt aagagaagaa aatmeetagg aatacaactt
                                                                       300
mcaagggatg tgaaggwtct cttcaaagaa gaactacaar ccrctgctca aggaaataag
                                                                       360
agaggmcmca agtaaatggg aaaagcattc tatgctcatg gataggaaga atcaatcccg
                                                                       420
tgaaaatggk gatactgccc aaaataattt atagattcaa tgctatcccc atcaagctac
                                                                       480
cattgacttt cttcmcggaa ttnggaaaaa tctactttac acttyatagg graccaaaaa
                                                                       540
                                                                       600
agaagcccwt gtagccaaga caatcctagg caaaaaagac caamcctgga ggcatcacag
tmcytgactt cmaactatwc taccaaggny tmcrgkgmcc aaaacagcac ggkacntggt
                                                                       660
                                                                       700
mccaaaccrg acwtwtwgac cmmcagacac agaacmgagg
      <210> 185
      <211> 192
      <212> DNA
      <213> Homo sapien
      <400> 185
ccagyctttc ttttaagtaa gcgctttttc aagctcattg tagctacaaa gtcaataaat
                                                                        60
tggtctttgt tatttttacc tgaaaaggct gttaaaggtt aaaatgacaa actcaaattc
                                                                       120
aaagggattg gaggatttgg tgtttatgat ttctcagaac aacaatctag agaccaccag
                                                                       180
ggtgggtttc ag
                                                                       192
      <210> 186
      <211> 688
      <212> DNA
      <213> Homo sapien
      <400> 1.86
                                                                        60
gtgctggaat tcgcccttag cgtggtcgcg gccgaggtgg gatatttctt ctggatagat
ttcagatagg tagttccctc aaataagatt atatgggttt gcattttcaa ggcagagttg
                                                                       120
tatacttcct gctctttatt taaataaaaa aacttgaaaa tctgttctgc ccagtattgt
                                                                       180
aagcgctcag gtacaaatat gaatgaaaca atctctgcct aagtaacaca agtataggga
                                                                       240
caagattete agtaaaatte teaegtgaaa tttgtaacte actagacaet atcaggagat
                                                                       300
caataattat gtaattaaaa aaaataatta cctgccaaac tgggttcttc tttggcactt
                                                                       360
ctgcttggtt ttaagacaat tctcacatag aagcttatta ttccccatta gtcattccat
                                                                       420
                                                                       480
agatgtaaaa ctggtagaaa caggacttga attgaacatt ctttacaagt aagttatata
gcttctgaaa aaagggcttg aaaaagcatt tttgggggact ataagaacct tcaaatgctt
                                                                       540
tcccctctta acaaacctta aaattattt gaaaataatt taagggggct gattttctct
                                                                       600
tgtcaaaatc ttgaacccca cttaccaggt ggttggtcaa accaaagttc aaaaaaaagc
                                                                       660
ttctggcctt tcctttatcc cacttgca
                                                                       688
```

```
<211> 779
      <212> DNA
      <213> Homo sapien
      <400> 187
gcaaaaaaca gatacatttt cagtgtttaa aaatgaacaa gtatggaaag gcttatacag
                                                                         60
taactgaaaa gtctcctttg ggaagccaag gtgggaggat tgcttgaggt caggagttca
                                                                        120
agaccagccc aagcaacatg gcgagacccc atctctacaa aaaattaaaa aatcagccag
                                                                        180
gcatggcgga catacttgta gtagtaacta catgggaggc tgaggcggga ggatcacttg
                                                                        240
agtccgagag tttgaggctg cagtgagccg caacgcgccc tgtactccag cctgggcaac
                                                                        300
                                                                        360
agagcaagat gctgctctaa aagaaatttt cttttaaaga aaaaagtctc cctcatagcc
tgttctacaa aagtcctatt tcttcccaca aaaagcctct ggtacctggt gttagttctt
                                                                        420
ggggtggaag attactttta aaaatagaac tattttttaa gtatatcttt tagggaactt
                                                                        480
tagttcccga agctttagga aatgggatct tgaaaacaaa agggatttca atacctatga
                                                                        540
caatgcttaa agaattattg gggcatttat ttttcaatgg agggtccaca aatctttgga
                                                                        600
aacccttggc caattaccag aagccacttt aatttttgac cgaaaatgtt tttaaaaatt
                                                                        660
ggcttttgga aaaactgtct ctttccccaa aaatgaaaac cttgaaaaaa aggggaattt
                                                                        720
ttaaggttgc cccctcatta aattttaacc cctctgaaag aaaaccctct tgtgacagg
                                                                        779
      <210> 188
      <211> 394
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(394)
      \langle 223 \rangle n = A,T,C or G
      <400> 188
ggcgamgtct ggycaccatc atgcccttta atcaactcac acctgtttaa agagtgtttc
                                                                         60
tgatttgacc ttcatccctt agtttactgg cgttaaaaaa agtctcagca attttcatta
                                                                        120
tttctcgtgg gtctcattat caaaccttta cttatttcgg catatttcct ctgggcttct
                                                                        180
tctagtttct gccttacaag caatgctgtt ctgtaaattt attgaaacct ctggaacatt
                                                                        240
tcacctttag agatggagga tggaaggatt ggyaccagaa gagggctaag atacgttytc
                                                                        300
tgtcttngag ctgaaagcac agyctactct ccttcgtttt gycgatgaga aaagttgagg
                                                                        360
ccagaaggga ggtgacatgt ttagagtcac ccag
                                                                        394
      <210> 189
      <211> 681
      <212> DNA
      <213> Homo sapien
      <400> 189
aagttctgac tttggtctat aaaacagggt tattggctgt ggctgcactc aatatctaaa
                                                                         60
aagttattag gaagtgcctc gttattgtca ttaaagatat ctaaatatgg tagaccaaag
                                                                        120
gttgttgaga aacacatatt atggactgag ttctgtttct tctgctgtgg cgcacctaag
                                                                        180
ctcaagcctt ccttctccc ctccccttct ggccggcatg gtatctgagc tcacagacag
                                                                        240
acaaggcatg ttagaatcat cagatcatga gcaccgtgct gggatttagc cctctccaaa
                                                                        300
                                                                        360
gtcaattctt acagtccata ctttgcttaa atcctcagtt gttgaggtct gctctgctgt
cagtaatccc agctataaat ttcccccaaa tgtggggcct agataaagta gaaggtggat
                                                                        420
```

ggactcagct tattttcatg ggatgacagg aa	uctgqaaaq agaaagggca ttgaaaataa 480
aaagttattc cagaatagca ttaaccctct ta	
gaaatgaggg ccttgagaat gatacccaaa ta	3 3 3 3
ccaaatatct gctttcctgt tccccaattg gc	
ctttacctga agggtggttt t	681
<210> 190	
<211> 839	
<212> DNA	•
<213> Homo sapien	·
400 100	·
<400> 190	ctatagtc tctcaggcac accttatgac 60
caaatacatg atttccattg gcatagactc tt taataagaac actgtcttct agatataagc ca	3 43 9
gtgttgagac tatgggtctt ccctgtgcaa ag	
atcccaaatt catagtgcag ttgaccaccc tt	
tgaaagette ataggtetea ceetagatta ag	3 3333 3
tggaagactt ttgtagttat cattatacaa ct	
gagaactgag gcactggctt tacctgtcag ct	
acttgatcac acatgccaca ttgcttaata tt	. 5
taaaaaattt ttggggggct ggggaggtaa ag	2 2 2
tattcattaa tcatatttcc cgaattgtat tt	
atacgtattg tggttaaatt aaatggaccc aa	
atgaataaaa ggtttatgac tgggagcatt ta	
cctttctttt ggaaagccct gaaggctggg aa	
cagaatcgct tccaaatggc catgttttaa ag	
	•
<210> 191	• •
<211> 697	
<212> DNA	
<213> Homo sapien	
<400> 191	
ccatcctgaa tactgatttt ctaatggaac to	tattcaat qqcqattqta aaaccctqaq 60
gctccgttac tattatggag catactttca to	
ctcataagat tttatcacat ttcacagatg aa	
ggcgagatcc aagctggagc tgcagctctg ag	
gaataaatct gtttttaatg caaattaaaa ct	
ttaaaagact ggaaatgtgt aagtggagaa ag	
ctctattata attccaaaca tacataatgg tg	
aatgtccact ctttgcccca aacataaccc tt	aatttcca tggcgggccc aaacactggt 480
aaaaaccaaa atggtaccct ctatagcatg ca	acttttat ttcactccaa acgaaaaatt 540
attttgacta tggcttggga aatccattag ta	gaagaagt tttataacct ataggaaccc 600
ggccatttca tttctaccaa atcacaggaa tt	ttagaatg ggcaaggaat ttacaggaag 660
acttgcccaa ttatcttttt ttgggggact aa	accaa 697
010 100	
<210> 192	
<211> 687	
<212> DNA	
<213> Homo sapien	

```
<400> 192
ctggttacta tagctttgta gtataattta aagtcaggta atgtgattct tccagttttg
                                                                         60
ttatttctgc ttaggatagc tttggctatt ctggatcgtt tgtggttcca tataaatttt
                                                                        120
aggatagttt tttgctattt ctgtgaagag tgtcattggt actttgatag ggattgcatt
                                                                        180
qaatctgaag attgctttgg gtagtatgaa cattttaaca atattgattc ttccgattaa
                                                                        240
tgaacatgga atgtttttcc tttatttggc gctctcttta atttccttca tcagtggttt
                                                                        300
ataggtttca ttatagagat ctttccttct tttgggtaat tcctacgtat ttaatttatg
                                                                        360
tategetatt getaaatgga atgacttttt aaatttettt tteacattge teetggtgge
                                                                        420
atattaaaag ctactgatgg atggtgattt tggattctgc cactttactg gaattggtgg
                                                                        480
atcagttcta atcgttttct tatgcacccc tttacggttt ctacatgtaa gaatatatca
                                                                        540
ccttcaaaca cggataattt gacttcttcc ccatccaatt gggaggccct ttatatcttc
                                                                        600
tcttggcctg aaggctctac ttaaaacttc ttatcccttt gttggaataa cagtggggac
                                                                        660
aaatggacat cccttgtcat ggtccca
                                                                        687
      <210> 193
      <211> 493
      <212> DNA
      <213> Homo sapien
      <400> 193
ctgctaaaat gatgttgcta aagcattcct ttttcttttg attaaacttc atgtttacaa
                                                                        60
aaaaattaat totagoagaa taaogaatgg ttttgtttto tagttototg otgaatgaac
                                                                       120
agttttgcca attatcttca tagagtagtg atataatgaa tgcaacctca aatgcaaacc
                                                                       180
aaccaattca cagtccatac cccaatcact teetteatca geetcaaaaa tegetaagtg
                                                                       240
aaccagtaga atggttttgg agcagtaata ggaaagcaaa tagaaagtca agggggactt
                                                                       300
traacgcraa caagaccaat tragatrotg atrigarigg titritaatar aatrictitic
                                                                       360 .
cagagtaatg gagcatgagt ctgccacaca gaactttaga gagagtcctt tatttcaaag
                                                                       420
actgtaaagt tggaagaatt cattcatctg caaagtcaaa tgtcaaaagt tgtgcttccc
                                                                       480
actcctcatc agg
                                                                       493
      <210> 194
      <211> 424
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(424)
      <223> n = A, T, C \text{ or } G
      <400> 194
cyagggcant tnagcangas aaggaaatan mggggattca attagggaac wraggakarw
                                                                        60
caagttgtcc stgtmtgcag atgmsgtgat tgtatatcta gamcacccca ttgtctcagc
                                                                       120
ccaaaatctc cytaagttga taagcawctt cagcarmgtc tcasgatscr acmtcwatns
                                                                       180
gcraaantca cmwgcattct tatacaccaa tawcagacaa acagagagcc aaatcatgag
                                                                       240
tgaactccca ttcacaattg ctacnmaaga gaataaaata cctaggaatc caacatacaa
                                                                       300
gggatgtgaa ggacctcttc aaggagaact acmaaccact gctcaaggaa ataaaagagg
                                                                       360
atmcaamcaa atggaagaac attccatgct catgggtagg aagaatcaat atccgkgaaa
                                                                       420
atgg
                                                                       424
```

```
<211> 229
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(229)
      <223> n = A, T, C \text{ or } G
      <400> 195
tgaacaccct tnggaaggaa cctgctcgna tgtannanaa anggaccgga cagtctgcta
                                                                       60
aaatcgccct ctttagacgc ggcgcgccgg ggcagagttt ttctctggtg ctttgacctg
                                                                      120
tatttggttt aatggttttg tcctaatctc ttcaatcaat aaaattgtgc gtatttaact
                                                                      180
229
      <210> 196
      <211> 557
      <212> DNA
      <213> Homo sapien
      <400> 196
gcggtggctc atgcctgtaa tcccaccact ttgggaggct gaggtgggca gatcacttca
                                                                      60
agttgagagt ttgagaccag cctgggcaac ataacaaagt gagatcttat ctctacaaaa
                                                                      120
aaattaaaca aacaaaaaa caaatcaaca ttcatttgca gggctctttg gtcttcttaa
                                                                      180
agaacaaaca tatgaaataa ataagctgat tcttaaagat aacaaatata atgagctttc
                                                                      240
tcaactgtaa aagcatctct aagttgttct atcaatgcat atccactcca tgaactaacc
                                                                      300
tgaagaaagt gttgaccatt ctacccaatt aactgtaaac taagattgct ttaatggttt
                                                                      360
qcctaaattt qaqtaccttt aaatttttgc tttttatcca aattcattct cccttcttca
                                                                      420
aattaaatag ttttgttaga aatcggataa gcaagatgta ctttttagaa agggcaatag
                                                                      480
aatcctacaa catgctagaa tttgaaatgt ttttttaaat cagtmmtttc tctatgctag
                                                                      540
                                                                      557
taactaagaa aattata
      <210> 197
      <211> 624
      <212> DNA
      <213> Homo sapien
      <400> 197
ttttactacc tatatttaaa atgatccctg acgcccctca agacaaatat attaattttt
                                                                      60
ttactttgtg ggatagagat cagaaaaaga gtagagatga aaatactgga gaaacaatgc
                                                                      120
aggagatatt tatgaggtga gaatgtcaag aaacttgtaa agggagaata ctataatgac
                                                                      180
ccctgaagag agagctttag accagttgag tattagaggt tgccacgtgg ctattcatcc
                                                                      240
actaataaat acaagaaatt actaaaatgg aagccactgg aaatatgttt tgaggaaggt
                                                                      300
gagaatgtgg acctattata aatgggtgaa tatgatttct ttctcattaa gttcataaat
                                                                      360
aactttcaga catgtaacag tttatgaagt gtgccgtagt catttagtat aagttttata
                                                                     420
cacaaaagtg tttttactaa gactgtcaca ggttcttttg tgaatcttgt ttgtttttcc
                                                                      480
                                                                     540
tcattgtaaa tactgcaata gaacatttgt gtcttaacat aaggcaataa atgaccttaa
gaaccttcac ttttatatag aaagtggagg aaaagttggc agagtaattt gttgattata
                                                                     600
gataaaagct cttgtagaaa ttgg
                                                                     624
```

<211> 175 <212> DNA <213> Homo sapien <400> 198 ttttttttt tttttttt ctaacactta tgcatttatt ttcatgtgta agaagaaaaa 60 cgtaactagc acgtgaacat gactgcatgg atacacggct cagcacgagg ctaaagtcag 120 aagtgagtga aagcaaaacc gcatgttgat ttaagtgaaa taacagaaca gaaaa 175 <210> 199 <211> 871 <212> DNA <213> Homo sapien <400> 199 ctgttgatca atgatgagct cccaagagta accagcctct atatagtcag catcactggt 60 ttctcaggaa aagcatcacc attgttcatc ttgctgcaaa atgtatgcac aagtatcttt 120 ttatttttaa aaaagccctg acattttatg actgctgctt ttctaagata ttttcaaata 180 tacagtccat acggttcaga cacaatggac tggggataga gacggctata gtgccgataa 240 tggagaaact agccagagct tcagatattt gttttccagg acatctcaat aattgggtac 300 acctcacaat atgtgagact tgacgtcgag tggcacggca tactctggcg caggcacttg 360 ataaagactg tgtttgcaaa tacttagcct gcacttcaag ataccaggca tctaagcacg 420 tcccagatgg tgacagttaa tcttcaaaaa accctatgtg gaagtattat cattgtcctc 480 attttacaga tgaggaaaaa gagacacagg gatgtcaata tetteetcaa ggtcacacag 540 caagtaagtg atggaacagt ggctcagcca tgaagctatt gctgttaacc actaggttga 600 ' tttgccttca ttaatttctt cctaaaactg cacatttccc gttagtccct ctttttggtc 660 .... tgtcgtttga ctcttggcta ctgcttagag gaagattcat tctattattt tctaacttag 720 taaatatgtg caactccttg gggacatgac caggcaaaag ctggatacag aaatgtatgc 780 ccaaacacca tcccaagtta cccctaacag gtcttttctg gaccctgttt gtaagggggg 840 tatatttgga aaaattttta aaattttctg g 871 <210> 200 <211> 737 <212> DNA <213> Homo sapien <400> 200 gacattttga aggtaacagc aatatctgtg tatagatggg gttgtggttt tgttatttat 60 ctgctattgc tgaactatcc tttgtcttga gcgataaaag agaagtaaaa tactaaagaa 120 ctgaactgtc catttctgga ccatgagtaa agatgctggc tgtcaaactt cctgttcata 180 cattagttta tttatagagt gtactctcta tgtaaggtat tgactgataa tgttactttg 240 acttcagata gcttgcagtt taatggagga agaagacaaa catgcaaata actaggtcaa 300 tgaggcatcc tttgtgttcc attggaagct aggctgcttt gtaaccttgt taatttctgt 360 ggttttggag tgcattcatt agcaaataca ccccttgttc ttatccattc tctgcttttt 420 tetttattig geattigatg acattitite atgiggggaa attgagteag gigaggigga 480 aagaaaataa ggacacgaca ctaaattctt tgatgttttt ccttaaaaaa ttgtttttca 540 agtgctccat aaagggttgt gaagttttaa gagccatagg acttggatta ttgtgaaaga 600 gtgtctctag ggggccaggt taaaccattt caaggactct ccttctctca tctcccttgt 660 tccacccagg gtggcgaccc ccaaaaagca caaagcctcc ctttcttcat gggaagggta 720 737 aggaacggaa gggaacc

```
<210> 201
      <211> 493
      <212> DNA
      <213> Homo sapien
      <400> 201
tctagaaatg cagcttttat ttattacccc atttctttca agtccttgga aaataacata
                                                                        60
ttaagggtac aagaaattaa cacatgatgg aaaagtcatt gtgacgccaa tgaatttcat
                                                                       120
tgagtataaa ctcatctact tcaaatttat tttataacac aacctaagat actcaagata
                                                                       180
attatttaat ggttagctct taagttgaat tggtctacat aatgcgtggg aagaaaacca
                                                                       240
                                                                       300
gatttttagc cttcttgcca aatccagacc tctggttgat ttttctttga cagaagatgc
aagttatttt ccaatttcac aattaaatgt atttaacatg aacattattt tgctttaaaa
                                                                       360
actataaaca ttgtaggaga attatagcca gtcttcagtt ataaccactc caccctcctc
                                                                       420
actttctctc tctctctcc tttttttttt gctatgggat ttaatgggaa aaatatgtaa
                                                                       480
                                                                       493
aaactgtcac taa
      <210> 202
      <211> 283
      <212> DNA
      <213> Homo sapien
      <400> 202
cctttttatc tcagtgacac cgtccgggga cgcaggtggt ggtgactcaa ggctagcctc
                                                                        60
aaagggcagc cccacctcct catcctggac cacagagacc acctgcttgg cgcgccgtcg
                                                                       120
etttteegag agggtggetg acteeggggt getggggetg gggetgeege eeeegeeget
                                                                       180
gttgctgtac tcctcgcccc agtcgatggg ggctgccctc ggacagcagg tgcaggttgg
                                                                       240
                                                                       283
gggcactgtt acgcaagacc atgctgcccg gagaggtaga tct
      <210> 203
      <211> 713
      <212> DNA
      <213> Homo sapien
      <400> 203
ctgcttttgc gcaaggtgcc actggacgag cgcatcgtct tctcggggaa cctcttccag
                                                                        60
caccaggagg acagcaagaa gtggagaaac cgcttcagcc tcgtgcccca caactacggg
                                                                       120
ctggtgctct acgaaaacaa agcggcctat gagcggcagg tcccaccacg agccgtcatc
                                                                       180
                                                                       240
aacagtgcag gctacaaaat cctcacgtcc gtggaccaat acctggagct cattggcaac
teettaceag ggaccaegge aaagteggge agtgeeecca teeteaagtg eeceacaeag
                                                                       300
                                                                       360
ttcccgctca tcctctggca tccttatgcg cgtcactact acttctgcat gatgacagaa
gccgagcagg acaagtggca ggctgtgctg caggactgca tccggcactg caacaatgga
                                                                       420
                                                                       480
atccctgagg actccaaggt agagggccct gcgttcacag atgccatccg catgtaccga
cagtccaagg agctgtacgg cacctgggag atgctgtgtg ggaacgaggt gcagatcctg
                                                                       540
agcaacctgg tgatggagga gctgggccct gagctgaagg cagagctcgg cccgcggctg
                                                                       600
                                                                       660
aaggggaaac ccgcaggagc ggcaccgcag gtggatccag atcttcggac gccgtgtacc
                                                                       713
acatggtgta cgagcaggcc aaaggcgcgc cttcgaagga gggggctgtc caa
      <210> 204
      <211> 275
      <212> DNA
      <213> Homo sapien
```

```
<400> 204
gtagacaagt acagcagatc cagacaccag atctagctag gctaaatgta cagtatctaa
                                                                      60
cttgatctga actgaacctg tattccttga tgatgcctaa aactacatcc atagaattct
                                                                     120
ggtgaacctg taatacagtt ctgaaagtac agttttatat aataagatgc tgatctcttt
                                                                     180
attettteaa gtaagagtge tagagaacaa attgtgttae ttgeettggg atttattgaa
                                                                     240
cgtctggaaa atgctgtctt cctagatcca aacag
                                                                     275
      <210> 205
      <211> 694
      <212> DNA
      <213> Homo sapien
      <400> 205
ctgttcctgt acatttaact gaaaaaaaag taacttaaaa taatataaaa atagcactca
                                                                      60
tgtatgtcct acagttatag gtgaaatttg atattgtttg tcttacatag catacctata
                                                                     120
gacagettaa gtaaagtgae tgttaagagg gttatgetta ttgatgaaet ettgtagttg
                                                                     180
cttaccagct ctgttagtat agttaaattg atctcagtag cttcaagtat ttataaaatg
                                                                     240
gttgaagtcc aaatacatgt gataattaca atacactttg aattaatgga gggtgggagg
                                                                     300
ctagttgaaa tgcattttat ttacccaagg agtatgttaa aatgatagtt ataaatgttg
                                                                     360
gaagtttaaa gcaagatact cagtttagtt ctttacaaat cataagaaga acaaaattag
                                                                     420
atgttgacat tgctatttta ggctgtgtgt tttccatatg cttcttgctt tccctgtcac
                                                                     480
aggtggtggc agcaatattg gtgtgattga ggttatgctg gcaccactcg cacacaggcg
                                                                     540 =
cacaatggtg ttagctgggc agaaagagtg gcatctctgg ctaccgggct gggggcgacc
                                                                     600
660
tgctgggtcg atggccactt tctgcttttc tttc
                                                                     694
      <210> 206
      <211> 704
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(704)
      <223> n = A, T, C \text{ or } G
      <400> 206
tttttttttg gnaaaacag ggtttcatca tgtttgccag gctagtctca aactgctgac
                                                                      60
ctcaqqqqat ttqcccqcct cacccaattc aactttcqta aqtcaqtatt taccatctaa
                                                                     120
ctcagtgtcc caaaatttaa aatttccttg cactttacag caaaaataca tattggggct
                                                                     180
ctactgaagc aatatataca tgtcaaaact aaaaatcaga aaagcaaaag ggtccattca
                                                                     240
acatatagca gcttatattt aaatatgtac aggtatgtat gttttcacag ttagatcttt
                                                                     300
aaaaaaattt atatttgata tgttcaaaaa tacttctatt ggctataaat aatattttaa
                                                                     360
aagctcaact gatcaaaatg cattccaaga acatatcaaa ttaaataaat cttctacgtc
                                                                     420
tttaaaaaca gataattgaa gtcagtaaag cttgaggttt gtgttaagtg tattctgtca
                                                                     480
gtccctacta ctagggaagg cagaatcttc taaatacgat acgaaagaaa ctcccaaagc
                                                                     540
ttggaaggaa tcggcagctc ctgaactttt tggggggggc atccctcttc gggattgaca
                                                                     600
tgcgacataa atgttgcaag ctaagggacc cccccgggg gagtgggccc caaaaaaaac
                                                                     660
cacaccttcc ccgtcaatgg tggtcccccc accaacctta aaaa
                                                                     704
```

```
<210> 207
      <211> 225
      <212> DNA
      <213> Homo sapien
      <400> 207
ccattttaac tgtactgcca atagaattct ggaattgtgg aaaattgtat cattgaagtt
                                                                         60
cagtaggatg tgtggcttaa aaatttatca ggaccacaaa aaagaaaaca aaaatatttg
                                                                        120
gtactgaggt tcattgccag ggcaggaggt atttccagaa aatactcatg cctgtgttct
                                                                        180
gttccttgct ttcccaaata ctgcatgtga ctttcctaag cggca
                                                                        225
      <210> 208.
      <211> 678
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(678)
      <223> n = A, T, C \text{ or } G
      <400> 208
cctatatcta tcaaaaaaaa tccagttcct aactaataat ctcccaaaaa gaaagcacca
                                                                         60 . . .
ggaccagatg atataaatgg caaatttttt caatcattta aggacaaaat aataccaatt
                                                                        120 : ...
ctgtatcatt tcttccagaa cacttcctaa ctcatcgtat gaggccagca tcactctaat
                                                                        180
agcaaaacca gataaagcca ttacaagaga gagtgacaga ccaatgtggt tttattgagg
                                                                        240
atgcaaacaa aatttaacat aatatttaat agtgaaaaac tggatgctct ttccctaagt
                                                                        300 %
tagagattaa ggaaagaatg tccccttcac tactcccata caacacctta ctgaaaattc
                                                                        360
tagctagctt tataaaataa anaaaaacca naaaataaaa taaaaggtgt acagactgga
                                                                        420
agatacagtg aaggaggaag aaataaaatt ttctttgcgc ataacatgat tcttctatgt
                                                                        480
ggaaatcaca gagatttgaa catttttttt ttttgagaca gtttttgctc ttgttgccca
                                                                        540
ggttggagtg taatggegeg ateteggete aetgeaacet teaeeteeeg aatteaaggt
                                                                        600
gattctcctg ccctcagcct tcccggagta agcttgggga ttaacagggc atggcacccc
                                                                        660 ...
ccatgccccc agctaaat
                                                                        678
      <210> 209
      <211> 720
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(720)
      <223> n = A,T,C or G
      <400> 209
attattttga accctagcat ttagaaatga aaaacttttt ataacaatca aatacatgat
                                                                         60
aaagtatgca aagagtagga aattattctg atgacatatg gagggttaca aaggagaaaa
                                                                        120
ctttttgcta cctctgataa agaatagact aaattctcca agaccaatct gactggtgtc
                                                                        180
ataataaaag gaggtacaca cggaagcaca agggatgtgt gcctctggag gaaaggtcag
                                                                        240
gtgaggactc agtgagaaga caagccaagg agccaggtct tggaagaagt caaccctgtt
                                                                        300
```

gacacettga tettggaeta accetgtgga cacettgate ttggaetttt	agcttccaga	360
actgcnagaa aataaatttt tcttgtttaa gccacccana gtgtantgtt		420
agccctaaca aattaaaatt atattttaac agagaatata aaattctaat		480
acagtaaagc attcatggtc ttttttttct tattaataaa tccatcaaaa		540
tgcaaaattt taacacattt ctctaccact actgtttcta ctctcttaaa		600
aaatataaaa atagaaggcc aaaatgcatc attaaaacga tgtttgggga		660
taaaattcta ttacacttgg aaatatacaa atattcaaag attatctatt		720
<210> 210		
<211> 277		
<212> DNA		
<213> Homo sapien		
<400> 210		
tccatgtatt tttatacaga atggaacaat atgtatgtat gcaatyktta	cattccacca	60
tgaaataaaa cagtataatg aaaataacaa tagattcaaa caatgatatg		120
ttacctatga cattggcaag gtcttcttaa aaaatctgcg aataaccgat	gttggagaga	180
tcatggggaa atagccactc aaatgttact catgagagtg tacatatgtg	taacttcact	240
tggagggcaa tttggtgata catttaaaaa gttttgg		277
<210> 211		
<211> 715		
<212> DNA		
<213> Homo sapien		
-		
<400> 211		
gtggtagaaa tactaatttt gcaattacag aaaaaaacaa atgccattca		60
aacaaaaagt gtctgaccac ccccaccccc cacccctcaa aaagccctta		120
aagatcaaaa gaaaacaaaa taattcccga gtttcacctc atacatacaa		180
gaagtggcaa agtttaaaat aatgccttta ctgttaggac tagtatgctg		240
caatcetttt gttttagtga gttgattttc aatagaaaaa tacaaatgaa		300
agttccaaca tggattgagc acctctgaat ttagtatcaa atgattaatt		360
gatgtcaaat cttagtataa aattttccat tattttaaac ttcacttgaa		420
agctgtctaa attgtactat atgagttcag tttaatcttc tgtaaaatgc		480
aactgtcagc agtcttttaa aaaaaaatgg gggctgggtt atttctagaa taagctttga aaatcagaaa tcagagacaa ataacttcag atatagacta		540
	-	600 660
caaatttata caattatctg taacagtcta tacatatatg tgtatatata ccactttcat aggtaaaaaa tattaacttc atgtcacact atgatcagaa		715
coucertain aggraduad tarradere argreader argureagua	geaca	, 13
<210> 212		
<211> 717		
<212> DNA		
<213> Homo sapien		
<400> 212		
agcctccccc aatgccttaa aaggtcacag tagatctcag ctctgaacag	aaactcaact	60
gaaactcttc ccacaaccca gcagtagata tattaaaacc tacaattttc		120
ccaatattta attettttga gggttttgtg tttaatacaa ggacacaaac		180
aatgacgatg tcaatactga ttaaacagaa caacaaaata agaagctcaa		240
gctattgtgt atatctgaaa taacaataat gcacttgatt ctgaaagaat		300
cctactctga aaatctaatt gtcttgatgt ggcgaagtga gaagaaagga		360
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		

<400> 215

aatgaaaagc atgtatacgg						420 480
tacactgctt gtgggaatat						540
aactacagct ctacacacaa						600
aaaatatgaa gtgcccatgt	-					660
gttaaccttg ttaattagtg						717
3-3-	3	•	33			
<210> 213 <211> 599						
<211> 399 <212> DNA						
<213> Homo sapi	en					
(22), 110 20p2						
<400> 213						
cctgttttgg cgaggcagga						60
caaagcgatt cagcaggatg						120
tgtggatgat gaccggccat						180
cacacaagga aggaccgatt						24.0
ccagaaaggt ttggtctttt	_			_	•	300 .
ctgtattaag ttttgacttt						360
gataacaatg ttctttccca						420:.
tgacaggctg tcaataatat	_					480
ttttaagtat gcaactcact					٠.	540
cccagttcaa gatgtagact	gtttccaata	acccctcatc	ctgttcctta	atagecece		599 👙
<210> 214						
<211> 789						
<212> DNA						
<213> Homo sapi	en					
<400> 214	taaaaaaaat	ataattaaat	atattaatat	2502222020		60
ccttatgaca aaccttgcta tatgcatcat agatatctaa						120
tgctgaaatt tctctcttca						180
atateteaca tegeatattt		_	_	_		240
acaaagtcaa tatagacaaa						300
taaattgcac ctactatgtg			_			360
aaagattaaa gaccttgtag						420
accctaagga aacattcatg						480
tattattett cattatgaag					•	540
ccttatttga agtcaagcat		_	<del>-</del>			600 -
tagcagccct ataaggtaca						660
ggtcaaacaa ctagtaaaag						720
ctcaagggct atgaatcctt						780
aaaaccggg	accaecaeca	caaggaagac	0330000033	cggoodaaa		789
<210> 215						
<211> 765						
<212> DNA						
<213> Homo sapi	en					

ggatgtctga gcaggagaga gaccatgtga	aggatggact	qaatqqaqac	ttgtatcaaa	60
gagtctgagt atcaaagact tgtattagag				120
gagaaatggt ttgtattaga gtgtcaggag				180
gagggatggg cctcatctca caccctgact				240
actactatag gaaggatttt gtaaagtttt				300
aggagttcta tgaacagtta gtggtgtctg				360
ccttttctgt gcagatgttg cttctggtag	atataatcca	caatgtaatg	ggagaagtac	420
taagaatcag taaattatgg agggtgtaaa	agactactga	tatttaagcc	tgcggaccgg	480
acttagagaa atgatagtta aaggagaaat	atccagcaaa	caaagatatg	acattgaagt	540
ttgggactgc gattagtacc agagatttgg	attggaggtg	atttgtatag	aatggatagg	600
tgattttact cttgcaattt ggattgaggg	gtggggaaaa	ccagaaaggg	gctggggggt	660
aaattagtag aaggtcacct tgaattcatt	gtggtccata	tcaatgctga	aactgattgg	720
ggaacttttt actcttgagt ccctttgtaa	gggaacccca	gaaag		765
<210> 216				
<211> 780				
<212> DNA				•
<213> Homo sapien				
<400> 216				
cctttttctg tggcaaatgg aggcttttca	ctqcctqtaq	agacaataca	gtaagcatag	60
ttaaggggtg ggtcagaaca tgttaagata				120
gttaaagctg gaacatttga tatttttcca				180
catttgtaca aggtaattgt tttttaaagc				240
agtcaagcac atgtaataaa ttcaaaacct				300.
ggtaaccaaa tattaaagat tctctttaaa				360
aggctaaaag gtcttgcagt ggcttttcat				420
ctttgccatt tttctataaa tcagtacttt				480
aaagaaaatg gctaataaac tgtattaaat				540
cagttcaaag tgtatactta ttcataatga				600 -
gtaaatgttt cttttccctt aaatacagat				660
gctacaacaa aaggacttca ggaacaagta				720
ggaactgtct caaaaggatg gtggttattt				780
<210> 217				
<211> 810				•
<212> DNA				
<213> Homo sapien				
<400> 217	-			
cttttaggca gccggcacc ttcatccata	aacaaaaaaa	gaactgggtg	ttggagactt	60
attcgagggt ataggaaggg ccctgtgaag				120
aagctcctga gaaacttggg gtaataggat				180
tgaggaccta gactacttct ccctaggtca				240
atacetgeta ggtattteee agggaaattt				300
ggaattggca gacagettee taagggeggg				360
atccacgtga ccttaagtta tggcagatga				420
gatggatgga gcactcaggt tagacttgtt				480
tctctagaat gttggaggtg agttgagagc				540
totgaaaact goatattoac tttatgtggt				600
gaaagacact tcattgagaa attcttaagc				660
yaaayacace ecaceyayaa acecetaaye	ccacayaaaa	Coluction	cycacacccc	000

acataacccc tagcaaaatg	caggttcttc	atacttctgt	cctttttcca	ttggaagaat	720
tgcttaagga aaaattaatt					780
taccccatgg gggaatgtgc	ctttgaattt				810
<210> 218					
<211> 218					
<212> DNA					
<213> Homo sapie	en				
400 210					
<400> 218	cttcattaat	aattattaga	tagatagaga	aggtgagggt	60
ctgctccctt atggaggtct gtggcttcca agtaccggct					120
attcagtaga tctgccacac					180
gcaactgtaa tagcacccag					240
taaatgaact caccaatgta					300
atcaggagtg gtaattcaat					360
acattcaaat attcaaatat					420
agacacatgt atttttcttt	cttccatgga	ctcctaaact	gctcccacaa	tcagcagtgt	480
tcttctctca gaaattatct					
agaatatgca gaggccagaa					600
ggggaacaca tcctctgggt					660
egggetttea etgeageetg					720 ·
gagttttgga ttatattttt			tttaccetgg	ttttaataca	780 817
gaaccacctg cagaaaggac	accyaaacca	aaageea			517 ,.
<210> 219					ř
<211> 661					
<212> DNA					
<213> Homo sapie	:11	•			
<400> 219					
ggatgctgag gcaggaggat					60 .
ccattgcact ccagcctggg					120 :
aatgaataga tagtggtatt					180
cttagaaaca gattagtttt					240 300
ttcaagagct ggtgaagaaa aatagaatag aaactgagac					360
tagacatttc tagattattt					420
ctttggcaat ggtgctgagg					480
attttatccc gtttgattct		_			540
gctgggttta tcatagtgac					600
actgagatgt gatattttat					660
t					661
<210> 220					
<211> 792					
<212> DNA					
<213> Homo sapie	n				
<220>					
<220> <221> misc_featu	re				
\221> m15C_1Eacu					

<222> (1)...(792)

<223> n = A,T,C or G<400> 220 cctcttttta ttcctacaaa taattttcaa gtacacacaa ttgggtaaac aaagaaacaa 60 agccaccaag aatgaaaatc agtaggaata acgaacaaga ctcacagatg tcaaacaagt 120 ctgtgggtct tgcagacttc agatgttgga attattagtc gtggcaagng nncaaaacat 180 tagctattac cattatgttt accaactagt gaagtgaact atgagaggat atattaacca 240 cagaagttaa tagaagaata gactcctgaa aatatctgga tgctacaaac taaaatatag 300 tatataatcc ttcatagagt gtcagtgact tcatatttat aattacattt ttgtatatta 360 gcagtgttct agttcttact gccttatctt taagctgann nnaaataaaa ttatattttg 420 ggattcaaaa acacatagct aatgattact atgtggcagt gttacattac tttatcacat. 480 atcattaaca taatctgcat gtgttcaaag agatcttcat acttctttgt agctcccact 540 tctttgtcgt ctttgtagct cccacaacat ctagaacagc acaaccgtat atggagaaaa 600 ctcagtctag tattcgttga atgactaatg gaaaatttag ttnataaaca gaactttctt 660 cattgnacaa attatcttgc agaagaataa tggccttagt ttaaaaattat catatttacc 720 catntcncca ngttatttta tctcttttgg ctaanaattt tgaaaacggt accttttacc 780 ctttggcatt tt 792 <210> 221 <211> 759 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(759) <223> n = A, T, C or G<400> 221 cttttctgct gctccgggag gtggagtggc ctggcagagg gcacatggct gccacctgct 60 gcaaggaaaa ttctcagtga agactcctca gtatgaagga gataagcctg cacaatcagt 120 cactgataga tgcttagtgg aaaaacttcc aattcccatt tacagctctc agagctagga 180 ttaaaaactc ctggtcataa actcatgtga tgagaagtta tagcacgccc tcattttcta 240 catanccact tgcatttatg gttggctttt gaacttgcta gaagggaaag aagtgcaaat 300 gtgtcctcct tagagctact ctcctccct tggtgggttt ccagtttgtg cattgtccag 360 atggcccagg agctgacgat caaagggaag aagtcatgtt tgtcatgaga atgctttgct 420 gcatcaggat tcagtgaagc tgttcaccgc ctggagccca tgcagcctca agaggcagga 480 tggagctcag aaaccatcac tgaggttaga aagtgagcac caaagttgag ggaagcccac 540 aggagtgagc cgaagtgctc cctttggatt tccaaagtgg gtgctgctgc ttcttccatc 600 agcettgett etgaceecaa tgegtteetg gtgeettett ettggeattt tgetgteggg 660 ggcccaagga aaaaaattcc tgcatggcag tggtgaaaaa agatggctgc ctgctgaaac 720 759 ctgatttggc ctgggtaagc cttttggagc cccggttaa <210> 222 <211> 699 <212> DNA <213> Homo sapien <220> <221> misc feature

<222> (1)...(699)

<223> n = A,T,C or G<400> 222 ccttntnaag agttggcatt aattcttcac taaatgtagg agtagaattt atcaggtaag 60 ccacactgac ctctggnctt nttnncgccc gatgattttt aattagttga atccctttac 120 ttgttatata tgtattcata tattctgttc cttcttggat ttacttttat gattggtgcc 180 tattgaggta tttatttcta gtttgtggta cttcatgtgt ttaggttttc tagacagtgg 240 acatagaaga ttcaagaagc taaatgtagg agaatgtnta atgtaggana ntgaggcnac 300 natatcatca atgaatgact tgaagtttcc tctgttgtaa agaatgatat taccataact 360 gccatagnta atattgatgg tgtaagtcaa ataanaaggc aggaggaaag ggacatccat 420 cactgaacca canatcagag nctcattgaa gcctttgaga agaatccaca aaattttaca 480 ggataattca tttcctgcga tcaccacnag aagagaaact ggttaaacag acaggtattc 540 cagagtccaa aaatttacat ttggtttcng aaccaaagac ctcagctccc aggccacagc 600 aaaagggggc ttatgaattc cctggcaccc agncccaaga cccaanaacc tcatcttgat 660 tggtttnggg cttgggaaac caaaaaacca atgggtggc 699 <210> 223 <211> 598 <212> DNA <213> Homo sapien <400> 223 aaaaagagaa agtttcagat ttgccattca aggcttattt atatatatgt gtgtgtatat 60 aaatacatgc acacacttgc atacatatat atttttggct gggggagtgt gagttttgcc 120 : tttctaaggg agggaccgcg caggctcctt tgttctgtat tctggcggag atgggtcctg 180 gccttgtgtc actggcttat ccttaaagat catctcccat cctccccagc gccatctgtg 240 tgcagcaacc agaaagggat gaacttggcc ctcttgcggg cctggacaag gtctcttcct 300 taccettect gttgccagte ageaacetgt aacteacatt etetteceag tgaateeetg 360 ggagcgcctg accctggtgg gctgttcagc ttcctgctgc tggggccagc aatttttgag 420 gatttatett taggecagge ttgeeteegt acttateeet geteteeeat ttetetettg 480 . tttgagagag aatgaggaag caaagagtga gaaagaatag gggctgaaga cgccactccc 540 agatggetet ttetateetg etettetgtt gaaacacaeg tgetgtggge eteaggeg 598 📑 <210> 224 <211> 501 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(501) <223> n = A, T, C or G<400> 224 aaacctttat gatgacttcc ttatgaatta ctgaacgaac actggaatgg gactcaggta 60 tectgaggae ateteteaac tetggeetta gtteeceete tgtaaaatta gggtgeeaac 120 taaatgatet acaaggteee tteeagegee gecattetgt aattacatea tgtgtaactg 180 tattaaacat acacaagtga ctgccaggca tgggaatgta acttccgagt aaatgctttg 240 gtttgttcag aatacactat gaacttcttt ccaaagacgg gttgtggtaa atagtggata 300 ttttgattat aagaaataga gtttccttga agctttagct ggagatacag caatagtgtg 360

<212> DNA

gtgttcctac aaatatcaca gtgtattcaa acatat aaaagctgtg tgtttttatc caacttgtga taataa aaaaaaaaaa aaaaaaaaaa a	
<210> 225	
<211> 295	
<212> DNA	
<213> Homo sapien	
<400> 225	
cctgtatagg gctcgtttcc ccacacatgc ctattt	ctga agaggettet gtettatttg 60
aaggccagcc cacacccagc tactttaaca ccaggt	
aaaaaaaaa cacatgcact cacacaatac ccaaac	
agggggcttt ataggctgaa aaatatctta rattto	
gaaaattcct ttgttcaaaa cacaaagatg ttttgt	-
•	
<210> 226	
<211> 372	
<212> DNA	
<213> Homo sapien	
<400> 226	
agattcctgg cttagagcat gcgagcattg aaggac	caat agcaaactta tcagtacttg 60
gaacagaaga acttcggcaa cgagaacact atctca	
ccatgagaaa ggatatgagg actaaacaga tacaaa	
ctggggaggt agaggaaatg acagagaaac cagaaa	
tactaaagag gagattgctt gcagagaaac tcaaag	
taagaacaat ttaacaaaat ggaagttcaa attgtc	ttaa aaataaatta tttagtccgt 360
atgaaatgaa at	372
0.0	
<210> 227	·
<211> 599 <212> DNA	
<213> Homo sapien	
(213) Homo Suprem	
<400> 227	
ggcccccgtc gcgggagccg cttcgggcct tctggg	catg tetgecatat ggetecaggt 60
ttgtttttct ccccggcact ctgacgggga gggctc	ccgg catctcctgg catccgggta 120
gaggacgcgg aggatgctga gctgctggcg cactgc	
ccccatctt gatcttacag aatcagaggt acagcc	
gagtcgcttg aggactcagg agggtgtttg ctgcgt	
tttgctctgc tcttccaaca ccagtggaag atgatc	
agggatgtga ctgtgggctt cactcaagag gagtgg	
accetgtaca gggatgtgat getggagaac tacage	
attectaaac cagaagtgat teteaagttg gagaaa	
gaaaaatttc caagccagag tcatctggaa ttaatt	aaca ccaycayaaa ccacccaac 599
<210> 228	
<211> 343	

<pre>&lt;400&gt; 228 aaagtaaatt gtatgaaaaa tgtggctggt agattctgta ttctgttgga cagcactgca ttgttaatgt tgatgtcttc acaattgtat gttctttgta agcttcctat aaagtttgtc</pre>	ttagcacaaa ttagaatatt attggatggg tcccttacca	gatatggaac ttcatactgc tcataatgtt caaatatctc	atttccatca tcttcctcaa ccatgaaacc gctctgctca	ccacagaaag ttaatttttg gctcaagtac	60 120 180 240 300 343
<210> 229 <211> 417 <212> DNA <213> Homo sapi	en				
<400> 229					
ctcaagctgc agtccaccgg ggaggtgaag aaaactgaga	tttcaagtat	gggagagttt	ttactatctc	cattcctgga	60 120
ttaaaagtgc tgaaaaagtc	-				180
aaaagcattc ttcctctgga gtttacaatc aagtctacta					240 300
gaataatcat ccatctacag					360
cagtgtttgg ggcactgtgt					417
<210> 230 <211> 462 <212> DNA <213> Homo sapi  <400> 230 gaaataccag aagagaaagt ttccttatat gatgctgaga cgaaaatcta aaagatgatt tgcttgtctt cctattgatg	ttcattgtgc ccttaatgga ctcttccttc	cagaatcaag aaatccaata	aaacagctac gatttttctt	gtgaatggga acagagtagc	60 120 180 240
ccagcgactt cgctgtgaat	tagacattat	gaataaatgt	acttcccttt	gctgtaaaca	300
atgtcaagaa acagaaataa					360
gatggcagct tatgtgaatc				tgtataaggc	420
<210> 231 <211> 328 <212> DNA <213> Homo sapi		tacagaacac	ag		462
<400> 231					
ctgtgggttt tcctaaacgc	ccctcatctg	gttgaagccc	tagtgtttct	ttctcacatc	60
agaggcaaat gcattggggt					120
agaaaaacag agttctttga					180
agttaaaatg cttctaacag					240
ggttgtgtct gtccatgtgg					300
tccaattgac ttctgacttg	gggcattt				328

.

```
<210> 232
      <211> 595
      <212> DNA
      <213> Homo sapien
      <400> 232
cgccaatttt agcaaataag agattgtaaa agaagcagat tgaatgaaga atttttagct
                                                                    60
gtgcagatag gtgatgttgg gatggaaaat gctaatcaac taccetttet tttatcaagt
                                                                   120
aattaaaata aatctacata aagaaccaaa aaggctgttt tataaaagtg aaatatccag
                                                                   180
tatttcagag ggccaggcaa gagcacttca gatgaggcag tcaaaatcat tttttccag
                                                                   240
tgaggataga ccacaagtgg gtggtgagac cattgaaagc ctttatcaac tgaagagtcc
                                                                   300
atttaacagc ataatttgtg ggaagactgg aatagggctg aataaatgtg tttgaatctc
                                                                   360
taattttata ctttcttttc ctgaggaact tgatttttct gtccctggat cgccttgtca
                                                                   420
taattgggtc tgttcctttt actaccactc ttgagtccat atatgaaatc attaaagttg
                                                                   480
540
gtgattatgg ctaaatcaaa ggtaactgga atgtatatac ttttgctaat gttcc
                                                                   595
     <210> 233
     <211> 600
     <212> DNA
     <213> Homo sapien
     <400> 233
atgaaggtaa actctaaaat cttcataggt caacaaagaa aatttatcct tcacacttat
                                                                   60
ttctagaaag cagcagggct tatttcctag attgcttaca atgaagctag aatatctgcg
                                                                   120
ataactgtag agtttcaaaa aggatcccta gggctacttc tacgttctcc ttaccagttg
                                                                   180
agcactctcc ataatttcca gacgggtcat gggggagaat gatagaaatg agcgtgggaa
                                                                   240
gaaagacaat gaaattagaa atgggtgaga cacatggtgg tagaatgcta agagcaggga
                                                                   300.
tcaggacaat caaccaggtg tctaggaagg gtcaagtcac cagtgtcatc tgctgaccaa
                                                                   360.
tgttaggaag aaataaactc aaaggaaaca ccacattttt ccaattaaac tcaaatctat
                                                                   420
tgacttgtgg tggttctttg atgttgtggg gactgctata acagaaacca attggatttt
                                                                   480
caagggcaag aaactttgcc actgaataag atgatgtcat ccttcctgat aacaaatagg
                                                                  540
aatgggtggt cagctctaaa cagcgtggac tgagggagtt gcttttctac aatattactt
                                                                  600 Ser
     <210> 234
     <211> 500
     <212> DNA
     <213> Homo sapien
     <400> 234
aaattcctaa ttcttttact atcttctcaa cttttcccaa agataaaata aatttcacat
                                                                   60
aatttcatgg aggggaaatg gtagttgtaa aaaactacct caagtagcaa tcaccgctgg
                                                                  120
cagtgttttc tcactttctg ttctgcaatt gcaatcacac ttccaaaaag aaaagcaaat
                                                                  180
gtttgctaaa ccatagacag acaacctctt tgtgactggt attataaggt ttataatgaa
                                                                  240
300
gtaagaggtg agtgtttggc aattttcaac actcccctca aaaatctccc aaagttgcaa
                                                                  360
aaaagtcagt ttagtaaaat tccaagcact taaatgcttc attgagggcc agttgatata
                                                                  420
cgcaatgcac taatgtgtaa aaattaaccg aatgcaacta ttttataatg gagagctctt
                                                                  480
accttttcct tccagttttt
                                                                  500
```

<211> 159 <212> DNA <213> Homo sapien <400> 235 60 aaaatttaca gataaaggca gttcaatact gccactgaga agtacatctc ttaacatata 120 caactttcag gccacagttt tgaaggtctg aagtattaag ttggtttgat gaattagtcg gttggcactt acgaacacat ttattgcctt gccatcttt 159 <210> 236 <211> 254 <212> DNA <213> Homo sapien <400> 236 aaataagtga ataagcgata tttattatct gcaaggtttt tttgtgtgtg tttttgtttt 60 tattttcaat atgcaagtta ggcttaattt ttttatctaa tgatcatcat gaaatgaata 120 agagggctta agaatttgkc catttgcatt cggaaaagaa tgaccagcaa aaggtttact 180 aatacctctc cctttgggga tttaatgtct ggtgctgccg cctgagtytc aagaattaaa 240 254 gctgcaagag gact <210> 237 <211> 591 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(591) <223> n = A, T, C or G<400> 237 tttttttt ttttttt ttttttcta attttactt tttctcaagt ttaatgtara 60 - ... catacaaraa aacatcaagc aatgtttatt gkgcaattcc aatcattatt tgcaraatct 120 --tggtttaaag tcagtyttta tagccatttc aactgcttgg tttaaacaaa aagcaacaat 180 · ctggttatyt acctataaat ttcatggtat ttytttaaac actgaagtac taaaagcact . 240 300 gatgatttgt attataattt ttaaaatatt taaaacctac acagatttca taratcattc 360 cttttataaa ataatcaaaa taatttgatt atytggaaaa aaaaattctt gaaacaragc cctttccagg tatyttcaat ctctgtaaaa ccccaaaccc caaacagagt aratgatgaa 420 ataaggattt ctcagttgcc caagactgtc tgaaatttaa ggttgaaaaa tggactggcg 480 540 tttttcatgt ttcctgngaa ttcanagctt acaggtggca tcaaaactca aatctctggg 591 atggctttac atggctttca ctttgatttg tttcattttc atttgcttct t <210> 238 <211> 252 <212> DNA <213> Homo sapien <400> 238 aaatggcttt tgccacatac atagatcttc atgatgtgtg agtgtaattc catgtggata 60 tcagttacca aacattacaa aaaattttat ggcccaaaat gaccaacgaa attgttacaa 120

tagaatttat ccaattttga agacattttg gggttttata gtttttaat tt				_	180 240 252
<210> 239 <211> 153 <212> DNA <213> Homo sapie	n				
<400> 239 ccacaataaa gtttacttgt a actcattgta caggcgtgga g ccggagtctc tggtgtaccc	gactcattgt	atgtataaga	_		60 120 153
<210> 240 <211> 382 <212> DNA <213> Homo sapie	n				
<pre>&lt;400&gt; 240 aaaaaaaacca tctaaaagtg g ttgcttttac tcagggaaaa a aaagagttct ttcaggagac a ctcttctttt ccaacatttc t tttgttgctt tcttactgtc a ttttcttctt tgtgcactgt g cttacaggag aaggctctgc a</pre>	aaaaaaatta atctgtgatt taccattttc acctgttaaa gtcaccaggc	aggtacattt cactgcattg ctcttcttgg ccgcgtttct	gagtagaatg tttttatttt ttgatatcag ttgtgttagg	atttcatcta cttcttttc gccactttct ttttgaccgc	60 120 180 240 300 360 382
<210> 241 <211> 400 <212> DNA <213> Homo sapier	n				
<pre>&lt;400&gt; 241 ggcatgagcc accgcgcccg g catgttgccc aggctggtat c caaagtgctg ggattacaag g tctgacatca catccttata g cctggagaac ttgatggtta t aaatctatta ggttggtgca g ggaccctgag ggaaatggga g</pre>	cgagctcctg cgcgagccac gttacatccc tccctcgaag aaagtaatta	ggctcaagcg cgaaattatt tttaagcagg tgacagtcct cgctttttgc	atcccccaac cttaactagc gttcagccac gcaaatgaca	cttggccttc aagactaggc tcactctgca aaaacactcc	60 120 180 240 300 360 400
<210> 242 <211> 75 <212> DNA <213> Homo sapier	n				
<400> 242 actcacatat gcagacctga o tgcaacttcc tgtgg	cactcaagag	tggctagcta	cacagagtcc	atctaatttt	60 75

```
<210> 243
      <211> 192
      <212> DNA
      <213> Homo sapien
      <400> 243
gctccacatt tgtagcgaac actttgactc caaagagaag gaggaagaca aagacaagaa
                                                                        60
ggaaaagaaa gacaaggaca agaaggaagc ccctgctgac atgggagcac atcagggagt
                                                                       120
ggctgttctg gggattgccc ttattgctat gggggaggag attggtgcag agatggcatt
                                                                       180
                                                                       192
acgaaccttt gg
      <210> 244
      <211> 616
      <212> DNA
      <213> Homo sapien
      <400> 244
aattttatag caatatactg accattctaa aaataacaaa atacatgttg ctctcaacta
                                                                        60
                                                                       120
catagttaaa aaaggtagta aattctctta cccaaaatag aggaggggtg ggctagtgag
ctgctcaaac atttgtaaca aataaaaatg tatctatata catataatga tcatgttttc
                                                                       180
                                                                       240
atagcctaaa atcaccatac aaaatctaat aataaaattg tgtcgtgttc aggagttggg
aagccaacac attaaattaa caaagtattt ttggtatatg taaataatgg gatagaatct
                                                                       300
                                                                       360 ...
ctcgaatcag gattgtccca gaagttctaa ggcagatgtc aatgacatgc acattgtcca
tgttcagtaa ttttcaaaga ctagaataaa ctatgtaaac tattcaatac aattcaatat
                                                                       420
tacttaactg ctaaaaagta cttcaagatc ttgcactgcc ttgagtgagt ataatcaaat
                                                                       480 .
tagtaattgg aaaatagctg taatagcagg cactgaagaa ttctgacaaa taccaaataa
                                                                       540 ·
                                                                       600 %.
ctgtttgttt ttaccaaata aactggtaag atgatatcac aaagggtttt aagttatttt
                                                                       616
gctatacaag gttttt
      <210> 245
      <211> 165
      <2123 DNA
      <213 > Homo sapien
      <400> 245
ttggaacagt ggattaaaat ccagaagggg aggggtcatg aagaagaaac caggggagta
                                                                        60
atttcttacc aaacattacc aagaaatatg ccaagtcaca gagcccagat tatggcccgc
                                                                       120
                                                                       165
taccctgaag gttatagaac actcccaaga aacagcaaga caagg
      <210> 246
      <211> 229
      <212> DNA
      <213> Homo sapien
      <400> 246
tgtactggat ccctccaggt gggggcgact ctcacctgac tattacaata gcctcctaag
                                                                        60
tggtttccct acttgcaacc ttgcccgtat aatatctatc ctccacacag caggcagggc
                                                                       120
gatcctttaa gaatagaagt tagatcatga aaatgctctg ctctgatccc tgcaaaagct
                                                                       180
cgccacctcc ttacagtcac cgctgaactc gtagcagagg ttcaggagg
                                                                       229
```

<211> 338	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(338)	
<223> n = A,T,C or G	
<400> 247	
ggaaaccgtg tgtacttatc ctggatgatg ccaccagtgc cctggat	
tacaggngga gcagctcctg tacgaaagcc ctgagcggta ctcccgc	
tcacccagca cctcagcctg gtggagcagg ctgaccacat cctcttt	
ctatccggga ggggggaacc caccancagc tcatggagaa aaagggg	
tggngcaggc tcctgcagat gctccagaat gaaagccttc tcagacc	
tccctccctt ttcttctctc tgtggtggag aaccacag	338
<210> 248	
<211> 177	
<212> DNA	
<213> Homo sapien	
<400> 248	
tgaaaacaaa tgaattctca actcctacgg ttcatgtaga gtttaga	
attgtcatca ttgaactgtg aacctgggaa gccagatcat gattaac	
ttcaagttgc agatcaatgc acccagtgtt cagatgaggc aaacttc	icc gigacaa 177
<210> 249	
<211> 263	
<212> DNA	
<213> Homo sapien	
<400> 249	
aaagtaatga ctttattaat aaatatacat ccatatgatg atgtaga	_
cactactcca ttcccataca cataattgca cacgagtagc tcaagtt	
acatacacag tatctattca gactttttac agcagaggac agcgtgc	<del>-</del>
attggtaatt attttctcca aaattacctg tggaaaaaag aaattctgaatcaaagtg atctgattac ttt	gaa aacctaaaag 240 263
<210> 250	
<211> 333	
<212> DNA	
<213> Homo sapien	
<400> 250	
aaaaaaaaca acagcgtaaa tattagccca caagagcagt cctaaaca	
ctgtactacc caagaagact gtttattgtg aagcatttac ctttcaac	
ttctatttct tggtggagca gcacattgtg gagtgtgatt cttaatte	
gtcaatagga cattgatgct ggataggttg tcttttgttt ttatgcc	
tgagattgtt tgcctatctc ataatacagt tttatgcaga aaggttgaggtttttatg gaaattatca gttacaatat ttt	aaa ctatgtaaat 300 333
ggilliary gadalialla gilaladalal ili	333

<210> 251 <211> 384 <212> DNA <213> Homo sapien	
<400> 251 aaaccatttg tacaaaactt ctataaattt ttctctct ttctct tatcttaata tatccccgaa ctggttagga tagatacaaa tagatt attcacaaaa gattggaagc attctataat gaaaatggta gaaaaggcatgggt ttgggaatcg ggccctggag gagaagcaga gtttcagcatagtttc actgtaaacc aatgtctaca gcttattggg gtggggaagcaccaac tcgtttctag agggctaaga actgcacttt aagaaaagggacccga gcaagaactt tcag	tttt ataataaaaa 120 gacag tgtgagggaa 180 aaagg gctgagaata 240 ggcta ctgagacgaa 300
<210> 252 <211> 211 <212> DNA <213> Homo sapien	
<400> 252  aaagcagtct gaaaatggga catctgtaga gaaattcatt tccttc tggaatggaa gctttgaggg aaggaaaagt aggaaaagag cgggat tgggatggga tgggatagga agagaggctg gggaatgggc agagaa tgctgtgaga tagagcaaga tcacaagaag g	ggga tgggatggga 120
<210> 253 <211> 135 <212> DNA <213> Homo sapien	
<400> 253  aaaaattgtt tcttgacaag ctgacttggc acttaagtgc actttt tacaatgaac tgcttttcct caagcaataa ttgtttccaa cttgtc ctggtaactg gaagg	
<210> 254 <211> 361 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 254  cctgtagccc ctgctacacg ggaggctgaa gtgggaggat cacttg aggttacagt gagcccagat catgccacta ctctacaggc tgggtg ctgtatcaaa aaaaagacaa ggaaaaaaaa aactgggccg tttgtt ctcaatttgg actttttggg caggaataca atacaagtga tacaaa tagaacctgt ataaaattac cattacagac cttgctattt tactta tttaccaagg taagtctttt gggaatttcc aaaaatgaag tccatg g</pre>	gataa gagtgagacc 120 Etttg cagaatgtct 180 Etgct tctttaacat 240 Etagg taaatcactg 300

<211> 331 <212> DNA <213> Homo sapien <400> 255 aaaaaaataa ataatccacc aacgtgattg accttggcga gatcatgttt ctagtctata 60 cctcagtttc cccatctgta aagtgaggat aatgtcccac cccatgtaac tgtggtgagg 120 accaactgca acactgtgcc tgcgagtctc cttggaaaag tgtaaggttc tacacaaatg 180 gaaagtgatc tgatcacact cagtgtcccc agcccagcct ttcagtgccc tggccctggg 240 gtgggggaca atacteteet caccecette actagtette atgaatagea aggaggeeat 300 aacataattt ggtctaaacc ccttcctttt t 331 <210> 256 <211> 186 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(186)  $\langle 223 \rangle$  n = A,T,C or G <400> 256 cetttgggcc cttgcacttt gacctgcaat ggggccacac cagcettget tgtgtccacc 60 . tggaaggact gagggaggtt ggcacgaacc atgcctgggc tcaggccggg cccanagcac 120 180 ttgaccttgg acgcatctgt cacatcatgc acagggacct tgaaaggact gcctggcact 186 tgatgg <210> 257 <211> 255 <212> DNA <213> Homo sapien <400> 257 ctggggtccg tcaccgacct ttggggaact gggctacggg gaccacaagc ccaagtcttc 60 cactgcagcc caggaggtaa agactctgga tggcattttc tcagagcagg tcgccatggg 120 ctactcacac tccttggtga tagcaagaga tgaaagtgag actgagaaag agaagatcaa 180 240 gaaactgcca gaatacaacc cccgaaccct ctgatgctcc cagagactcc tccgactcca cacctctcgc ggcag 255 <210> 258 <211> 604 <212> DNA <213> Homo sapien <400> 258 ctgaatttgc aatggagttt ggtggtgcaa tcggtattga ttagtttggc atagacagat 60 gcagcagttt agagcaaaat cgagaaaatg atttttttt tcctccttga tttcctggca 120 gaagatatet taetttttea geaaactttt ettttaacae taaageagee tagggeaatg 180 240 ccagatactt agagcttttc tcttgattat aagtagaaat gggggtgtct gggctagagg tggagggtgg atgtgctgtc gtcacagtct agctggcagc aagcaaggca aaagcagaga 300

ctgctctaga agcggttcca agcagcagag ctctatgctt taatagttgc ttgttaagct ttcaaagagc tcagttctct gctcaactct aggagactga ggcaggaaaa tcgcttgaac tcacaccacc gcactccagc ctgggccttg cagg	gcttcatggg cttctctagt tcaggaggtc	ttgagacaaa tacattattt gaggccgcag	ctaccagcac tttttccttc tgagccaaga	360 420 480 540 600
<210> 259 <211> 429 <212> DNA <213> Homo sapien				
<pre>&lt;400&gt; 259 aaaaatgtct gtatcgagat cttccagttt ctctgtggca agctccactg gttctcccgg tggctatccc aagtacctgg gcacccccca aaacttgaac aaagagcggc aattccactt gctggctatg ctgtcaagga gaacactctt caatttcagc agagttaatt tgcttgctgt gtaactgctc cgtgttcaga ctcctggttt tcctgcttt</pre>	ttccatcaga cctggaactg cgctggtatc tactgaaaac tagagatgta	accactgact tacttgagtg aggtcccggc caccttggcc gcactttatc	tccacaatcc actcacttag tcaaccacat ttcattctgg cttcctatca	60 120 180 240 300 360 420 429
<210> 260 <211> 385 <212> DNA <213> Homo sapien  <220> <221> misc_feature <222> (1)(385) <223> n = A,T,C or G				
<pre>&lt;400&gt; 260 ctgcaacaca tgcagcacca gtctcagcct cagataacat cccccatccc tgccatcggg tcgcaaatac agtctcagac acagactcaa cgcatatggc agacggattt gcgtatacca gtggctgaaa cctgtaagtt ggtgttggtt ctctcaagtg tctattanat aggcaataag gctgactata aatcactttg ttttt</pre>	agcccccagc gtattatcgc aggagagtgg atgcagaaat	cagcctctca aggtcagtat cataggaggg gtgtaacaga	gcagcaccag tttctgaana aaaagcatat tcaaacggtc	60 120 180 240 300 360 385
<pre>&lt;210&gt; 261</pre>	taatatctat aaaatgctct	cctccacaca gctctgatcc	gcaggcaggg	60 120 180 230

```
<210> 262
      <211> 198
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(198)
      <223> n = A, T, C \text{ or } G
      <400> 262
atgttaagta aacatgaaat ctatataaca gaacaaaaat tcactcttat gtcaatgtca
                                                                         60
gcgtgttaat gtagatctat ttactganac agactctgta gtggcagaga gtggccttgt
                                                                        120
                                                                        180
taagccagga ccctgttctg caggctgtgg gtagaagcta ggaagtccct ggagtttcac
                                                                        198
ccagcttttc catgaatg
      <210> 263
      <211> 157
      <212> DNA
      <213> Homo sapien
      <400> 263
aaaatatatt tctaaacaga atgggccgac tcagtcacag taactgttga tctccatagt
                                                                         60
agagcaaccc acaaagacag aactgatttt tttcccataa tcaggggtga aaaatataca
                                                                        120
                                                                        157 -
acttgtttct gaaccaaaac cacaatttct gcagttt
      <210> 264
      <211> 290
      <212> DNA
      <213> Homo sapien
      <400> 264
ctggctactc caagaccctg gcatgaggct gaggacaact tacaagggct tcaccgaagc
                                                                         60. ~
agtggacctt tattttgacc acctgatgtc cagggtggtg ccactccagt acaagcgtgg
                                                                        120
                                                                        180
gggacctatc attgccgtgc aggtggagaa tgaatatggt tcctataata aagaccccgc
                                                                        240
atacatgccc tacgtcaaga aggcactgga ggaccgtggc attgtggaac tgctcctgac
                                                                        290
ttcagacaac aaggatgggc tgagcaaggg gattgtccag ggagtcttgg
      <210> 265
      <211> 234
      <212> DNA
      <213> Homo sapien
      <400> 265
                                                                         60
aaaaaaagga aaggaaagag aggaaaagaa aataaaataa gacgatttat tgcttctcct
cagcatecte ettggtetee teetteaceg agagagette tagettttee gecaettttt
                                                                        120
eggeatgate attitigeet gateetitet titetetete titegatetet titeetgeatt
                                                                        180
                                                                        234
cttcaaactt tgttttgaat ttctgtgcat tctcagcatt caggaagcgg atgg
```

<210> 266

```
<211> 335
      <212> DNA
      <213> Homo sapien
      <400> 266
gtcctcatca tcccagtttg aggcagtgct ggagtgggga aggccgtctt agaccataga
                                                                         60
                                                                        120
ggttggaaga cgctgagaga tcatccagcc cagccccttg atgttacaga gcagaagaca
gatgcccaaa caggagaagg cacttgccca cggtcatacg gcaggttgcc acaaaaccaa
                                                                        180
gatggcagcc cttcctcagc gtgcctcact gccactccca gagccaggga gccccataaa
                                                                        240
                                                                        300
acceacatea tgtettaaga gtatatetgg eteettgace ageaategge eetgggagee
accaggtggg aaaagcgcct ctgccagagt ccagg
                                                                        335
      <210> 267
      <211> 619
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(619)
      \langle 223 \rangle n = A,T,C or G
      <400> 267
tggagetetg acgaagggat eggggaggtg etggagaagg aagaetgeat geaggeeetg
                                                                        60 ...
ageggecana tetteatggg catggngtee teccagtace aggeeegget ggacategng
                                                                        120-
cgcctcattg atgggcttgt caacgcctgc atccgctttg tctacttctc tttggaggat
                                                                        180 ---
                                                                        240
gageteaaaa geaaggtgtt tgeanaaaaa atgggeetgg agacaggetg gaactgeeac
atctccctca cacccaatgg tgacatgcct ggctccgaga tcccccctc cagccccagc
                                                                        300 -
cacgcaggct ccctgcatga tgacctgaat caggtgtccc gagatgatgc anaagggctc
                                                                        360
                                                                        420 -
ctcctcatgg aggaggaggg ccactcggac ctcatcagct tccagcctac ggacagcgac
atccccagct tcctggagga ctccaaccgg gccaagctgc cccggggtat ccaccaagtg
                                                                        480
                                                                        540
cggccccacc tgcagaacat tgacaacgtg cccctgctag tgcccctttt caccgactgc
accccanaga ccatgtgtga gatgataaag atcatgcaan agtacgggga ggtgacctgc
                                                                        600
tgcctgggca nctctgcca
                                                                        619
      <210> 268
      <211> 147
      <212> DNA
      <213> Homo sapien
      <400> 268
cctataaccc agacaccagc atggacaaaa ctcagttata ctgaattcag agacaaaatt
                                                                         60
cagtgacact cttctaccac ttatttaggg ttctacagca tttcactgag cagacttagt
                                                                        120
tttttgtttt tgttttacaa acctttt
                                                                        147
      <210> 269
      <211> 325
      <212> DNA
      <213> Homo sapien
      <400> 269
```

```
60
ctgagctgta ggaatgggtt cttggtacac aagatagtat tgttgagcta gttttcgagc
totgtgcaca agcactotgt aatoggggco catgccactg tacaccaaac otatatgott
                                                                        120
ggtaattggt tctactttgt gtacacttcg ctcatcatac agaatggatt tctgtttttt
                                                                        180
                                                                        240
ctcagttgct aataccacac catttgcagc tttaattccc acggacgggg ctcctccagc
tacagcagcc aaagcatatt caatctggac aagtttacca gacgggctga atgtagtcag
                                                                        300
                                                                        325
cgaaaagctg tacccgcgct ccgcc
      <210> 270
      <211> 428
      <212> DNA
      <213> Homo sapien
      <400> 270
aaacatatgg taaattaccg agtgacacct ctgggctaga gacctctttt gaggggagtt
                                                                         60
tgcaaactac ggattcaatt tctttaacag ttatgaagtt ctttaaagaa cctgtttggt
                                                                        120
attggggggt tgtggtcacc tgtgcttttc tgagatttgg cccctacatc taagttgttg
                                                                        180
aatgcatgtg tgtagagttg tttatggtgc ttccctttct tcttagaagg gtctatagta
                                                                        240
atatecectg cettatecet agtagtacta atttgtgttt tettaettet tgacaggeaa
                                                                        300
acacatcaga gcataagtgg ttcctaatgc caagctgacc tcccttgatc tctgtcttct
                                                                        360
                                                                        420 -
acaggatatt gacatgggac ttctttatta ccttttcagt tcactgatac cttcaaatag
                                                                        428
ctttattt
      <210> 271
      <211> 206
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(206)
      <223> n = A, T, C \text{ or } G
      <400> 271
                                                                         60 ..
cgtcccggag cccacggngg ncatggctgg canagcgctc tgcatgctgg ggctggtcct
ggccttgctg tcctccagct ctgctgagga gtacgtgggc ctgtctgcaa accagtgngc
                                                                        120
cgtgccagcc aaggacaggg tggactgcgg ctacccccat gtcaccccca aggagtgcan
                                                                        180
                                                                        2.06
caaccggggc tgctgctttg actcca
      <210> 272
      <211> 83
      <212> DNA
      <213> Homo sapien
      <400> 272
ctggcttccc tgagaactca acaatgcctt ttcctgaggg ccttcctcga tcatccacaa
                                                                         60
                                                                         83
tgactacagc cctctctacc tgg
      <210> 273
      <211> 472
      <212> DNA
      <213> Homo sapien
```

<400> 273	
ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggtt gtctttctac	60
	120
	180
	240
	300
	360
agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg atacccgcac	420
tecteeteet gaggeeggae eeegeeeagg eagggagetg etgtgagtee ag	472
<210> 274	
<211> 205	
<212> DNA	
<213> Homo sapien	
<400> 274	
ccaggcggcc cgaggactta cggtcggcac ttctctgttc tcccgtgtca gcgtgtggtg	60
	120
	180 205
gaatgtagcg tgtaaatagc ttttt	205
<210> 275	
<211> 308	
<211> 300 <212> DNA	
<213> Homo sapien	
The state of the s	
<400> 275	
ctcctcgccc tccccaccga catcatgctc cagttccagc ttggatttac actgggcaac	60
	120
	180
cactgccttc aggatatact gattctactg ctcttgaggg cctcgtttac tatctgaacc	240
aaaagctttt gttttcgtct ccagcctcag cacttctctt ctttgctaga ccctgtgttt	300
tttgcttt	308
<210> 276	
<211> 201	
<212> DNA	
<213> Homo sapien	
<400> 276	<i>c</i> 0
aaattaactt tttcttgcaa aatattcatt tcattttttc caagaaaatc ttataaaggc	60
	120
<u> </u>	180
gtcaaagaga aattttcatt t	201
210. 277	
<210> 277 <211> 520	
<211> 520 <212> DNA	
<213> Homo sapien	

```
<220>
      <221> misc_feature
      <222> (1)...(520)
      \langle 223 \rangle n = A,T,C or G
      <400> 277
aaaaaaaaag tattcagcac catttgctca tnggtctttc agagtttgtt cttaaagttt
                                                                         60
ctggaacttt cctgtctgta aagtaacagg aattactgag ctacattgga aagcctctct
                                                                        120
                                                                        180
qqqacaqqca qtqqqqaqtt aagcagtcat cataaaggaa tcagtgtaca ttcagcatgg
                                                                        240
tgacttgact acacaacaat cccttcccct ctactgtagc tcaagagaga catgcttcta
                                                                        300
accactgagg tatgaggagt ctcagactgt tatttgctgt tagaattggt cttcccagct
                                                                        360
aataacagta catctctggc acagatgcta ttggtcctta atgtcctgtg attttaggaa
atagtttgga tttagttcaa tttattcaga aaccaaacgt gtttaattag cttcactact
                                                                        420
ctggcagagt aagggtatgc tggtttagta tctttataaa atatatata tgtataggta
                                                                        480
                                                                        520
aatcatagtc ttaaatcata cctaaaatac tgtatcattt
      <210> 278
      <211> 264
      <212> DNA
      <213> Homo sapien
      <400> 278
                                                                         60
cgcgccgggc ggaactttcc agaacgctcg gtgagaggcg gaggagcggt aactaccccg
gctgcgcaca gctcggcgct ccttcccgct ccctcacaca ccggcctcag cccgcaccgg
                                                                        120
                                                                        180
cagtagaaga tggtgaaaga aacaacttac tacgatgttt tgggggtcaa acccaatgct
                                                                        240 .
actcaggaag aattgaaaaa ggcttatagg aaactggcct tgaagtacca tcctgataag
                                                                        264
aacccaaatg aaggagagaa gttt
      <210> 279
      <211> 414
      <212> DNA
      <213> Homo sapien
      <400> 279
aaacatacaa taatttttat tatggaaatt aatctttaca tacaaaatca gctacgtaat
                                                                         60
tttacttaca aaacaataaa aactgttctt tactgtggca acaaaagaag cattttgaca
                                                                        120 '
aatgaaaaaa attaatgcaa acaaattaaa acaatgcttt tctttttact tgcttcactg
                                                                        180
                                                                        240 .
totottotat ttattttota tgatoatttg acacaaacat ggattacttt gatatotact
                                                                        300
qaaacataaa tgataaggtt cttaaaggtt gaattaaaag tctgggtgtt caatatttta
                                                                        360
gaagctgaat aaacaaaacg aaattggggt ttgtgattac agaggattta tcattttttc
cctttgtcca tatgaaaata tataatagaa aattacccac gggaaaacat tttt
                                                                        414
      <210> 280
      <211> 262
      <212> DNA
      <213> Homo sapien
      <400> 280
ccaccatgcc tggcctgctt caattttttg atgccacttt gtaaacggca cttaattatg
                                                                         60
                                                                        120
gaaaatagga aaaagcaaaa ctaaaataag gaagaggata tatatataac ttttcacaat
ctcttttctg atccccttta gatgcccagt caaccaggac cacacaga tttcatttta
                                                                        180
```

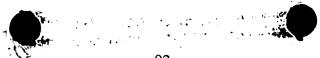
tctacgtttt gactgactat tt	tt 240 262
<210> 281 <211> 349	
<212> DNA	
<213> Homo sapien	
<400> 281	
ctgtgacccg ggtgcatcag tggatatagt tgtgtctccc catgggggtt taacagtc	
tgcccaagac cgttttctga taatggctgc agaaatggaa cagtcatctg gcacaggc agcagaatta actcagtttt ggaaagaagt tcccagaaac aaagtgatgg aacatagg	
aagatgccat actgttgaaa gcagtaaacc aaacactctt acgttaaaag acaatgct	
caatatgtca gataaaacca gtgaagatat atgtctacaa ctcagtcgtt tactagaa	ag 300
caataggaag cttgaagacc aagttcagcg ttgtatctgg ttccagcag	349
<210> 282	
<211> 381	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(381) <223> n = A,T,C or G	
(223) II - A,1,0 OF G	
<400> 282	
aaacactaaa tgaagcttct cacaatttct aattataaac aaaaggctga aaacagta	
ggaaacaaag tttcaaaaca aagaaaagtt gagtaaaagg tgccccctct atggctca tgaaagaaac attttactca gagaggcaaa catttctgat ctaggagtaa gtttccca	
cactttgcaa ggacccactc attctgcana aagacctaca agtctttctg gtctcaat	
caaagtacgt gaaaatgtgt atgaaagatc taaaagctaa atattagaat aaggctaa	tt 300
gaaatcaaaa ttgtgtgctg gtctaaatat acatcttcgg cttcttcctt tttagtaa	
attttattt cagatgtatt t	gt 360 381
	-
atttttattt cagatgtatt t	-
attttattt cagatgtatt t  <210> 283 <211> 543 <212> DNA	-
atttttattt cagatgtatt t  <210> 283  <211> 543	-
attttattt cagatgtatt t  <210> 283 <211> 543 <212> DNA	-
atttttattt cagatgtatt t  <210> 283 <211> 543 <212> DNA <213> Homo sapien  <400> 283  aatatagctc ctccctaccc ccaacaatgg accctgccca ttgcctccca gttccttg	381 at 60
attttattt cagatgtatt t  <210> 283 <211> 543 <212> DNA <213> Homo sapien  <400> 283  aatatagctc ctccctaccc ccaacaatgg accetgecea ttgecteeca gtteettgetteetaggt tccacaacte tetttteet tttagttta tteeeteeag ccaacet	381 at 60 ct 120
attttattt cagatgtatt t  <210> 283 <211> 543 <212> DNA <213> Homo sapien  <400> 283  aatatagete etecetacee ceaacaatgg accetgeea ttgeeteea gtteettgetteetaggt tecacaacte tetttteet tttagttta tteeeteea ecaaceteettatteat attttgagee aatgggggag ttatgtagat ttttteet acacatta	381 at 60 ct 120 gc 180
attttattt cagatgtatt t  <210> 283 <211> 543 <212> DNA <213> Homo sapien  <400> 283  aatatagctc ctccctaccc ccaacaatgg accetgecea ttgecteeca gtteettgetteetaggt tccacaacte tetttteet tttagttta tteeeteeag ccaacet	at 60 ct 120 gc 180 gg 240
atttttattt cagatgtatt t  <210> 283 <211> 543 <212> DNA <213> Homo sapien  <400> 283  aatatagctc ctccctaccc ccaacaatgg accctgccca ttgcctcca gttccttgcttcctaggt tccacaactc tctttttcct tttagttta ttccctccag ccaaacct cttattcaat atttgagcc aatggggag ttatgtagat tttttcct acacatta tggcccctt tatgaccaat gactcataag gcaagatgtg tggtggcatc ttcggaca	381 at 60 ct 120 gc 180 gg 240 cg 300
attttattt cagatgtatt t <pre></pre>	381 381 381 381 381 381 381 381
attttattt cagatgtatt t <pre></pre>	381 381 381 60 ct 120 gc 180 gg 240 cg 300 ag 360 at 420 tc 480
attttattt cagatgtatt t <pre></pre>	381 381 381 60 ct 120 gc 180 gg 240 cg 300 ag 360 at 420 tc 480

<210> 284 <211> 147 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 284 aaactggtat tttatctttg attctccttc agccctcacc cctggttctc atcttcttg atcaacatct tttcttgcct ctgtcccctt ctctcatctc ttagctcccc tccaacctgg ggggcagtgg tgtggagaag ccacagg</pre>	
<210> 285 <211> 316 <212> DNA <213> Homo sapien	
<400> 285	
cggccgaggt ctggcttcac tcctactccc tctctgctcg cagcacgtcg gccgccagct ctttgatgtg ttcccaggcc cgctgcacat gggcagattc caccgtgcga gaacagatgg caaagcgcag gacaaacttg tccctgaggt gacatggaac caagtggatt tttttggcac tgtttattct ttgcagaaga gcttcattca ctttgttgga accctttagc cgaaagcagg caagccccag aatgacttcc acacagattt caaagcgggg atcctggcgc accagtgact caaactcatg ggacag	g 120 c 180 a 240
<210> 286 <211> 322 <212> DNA <213> Homo sapien	
<400> 286	
cctggggagc cctttagtgg ggtgggacct caggcagacc cccaaaccaa agggagccagatgccaagt tcaagtcatt agtgatatgt ggcagggctg acagagaaat aatcctggaggtctccaaag ctgctgggaa tggaatggcg atgaaaagcg caggagtggg cagggtgtgggtgggtgggtgggtgatgg tggcctcact cagagtggac caaggcccaa gctcttgcc caaaaccaaagcccttgggc ccgaagtttt tagcataaca tcctttgcag taaatctcgc catccttgtctgccagggtg gttgactcaa gg	g 120 g 180 a 240
<210> 287 <211> 364 <212> DNA <213> Homo sapien	
<400> 287	
ctgcccacgc tcaaaccaat tctggctgat atcgagtacc tgcaggacca gcacctcctgctcacagtca agtccatgga tggctatgaa tcctatgggg agtgtgtggt tgcactcaaa tccatgatcg gcagcacggc ccaacagttc ctgaccttcc tatcccaccg tggcgaggagacaggcaata tcagaggctc catgaaggtg cgggtgcca cggagcgcct gggcacccgtgagcggctct acgagtggat cagcattgat aaggatgagg caggagcaaa gagcaaaagccccttgtgt cccgagggag ccaggagccc aggtcaggga gccgcaagcc agccttcacagagg	120 g 180 c 240 c 300

<210> 288 <211> 261 <212> DNA <213> Homo sapien <400> 288 60 aaaattataa ctactcattc tttctttagc cttagttaat ttgagcagaa gccacaacaa gcaaaccaca ataaatttag aattggcaga aatccacatt aactcctctt cccaagtttc 120 cacactacta ccatttacag ttgtaggttt gtaatgtata attatgtaat gcagaaacta 180 240 gctttgactt gtgtaacgat gcactgtcaa agtaagcaaa gtaagaattg aaattccaca 261 ttcccagaat ttaacactca g <210> 289 <211> 261 <212> DNA <213> Homo sapien <400> 289 60 ctgagtgtta aattctggga atgtggaatt tcaattctta ctttgcttac tttgacagtg catcgttaca caagtcaaag ctagtttctg cattacataa ttatacatta caaacctaca 120 180 actgtaaatg gtagtagtgt ggaaacttgg gaagaggagt taatgtggat ttctgccaat tctaaattta ttgtggtttg cttgttgtgg cttctgctca aattaactaa ggctaaagaa 240 261 agaatgagta gttataattt t <210> 290 <211> 92 <212> DNA <213> Homo sapien <400> 290 ccactacccg aacttacagg tgccaaaaga agaaagggta taaacggaga ccacctatca 60 92 ctcatcagaa cctaggatca tcacattcct tt <210> 291 <211> 287 <212> DNA <213> Homo sapien <400> 291 ccatggctcc gctcagggcc ccggtcacct ccgagtcact ctgttccttg actgtctttg 60 tgtttctgta cctcaaggca ctgaagctgg aggactctgt ccatgcctgt gtcaccctcg 120 tgtgggagcc tctgggctcg gcaggtccac atttcatgag ctgaggcgtg ggccagggcc 180 240 atctggaaag ggaactcggc ttttccagaa cgtggtggat catctgtcgg gtgtgtggtg 287 aacacgttca gttcatcagg gcctacgctc cgggaagggg cccccag <210> 292 <211> 270 <212> DNA <213> Homo sapien <400> 292

ccattgtttc ctcgctggcg aaggctcctt gaacatccct caccttcc gccttctgct gggtcaaagg tggccttttc tctccagcct tgaattgt	
tcccaagggc ccatctgctg gtacagtcca cacttccaca gccaagac	
teactgooc aagostotot cotgtgacco tgggattotg tottggoa	
ageggetett actetgteet teetgtttgg	270
<210> 293	
<211> 333	
<212> DNA	
<213> Homo sapien	
<400> 293	
ccatgctcgt caacctggtg tccactgctt gctacgtctc cttcctct	tc ctgggctgcg 60
acactggccc tgtggctggg gttactgttc cctatggaaa cagcacag	
ccctggaccc ctactcgccc tgcaataata actgtgaatg ccaaaccg	
cagtgtgtgg ggcagatggc atcacctacc tgtctgcctg ctttgctg	
cgaatctcac gggctgtgcg tgcctcacca ccgtccctgc tgagaacg	
ctggaaaatg ccccagtcct gggtgccaag agg	333
<210> 294	
<211> 123	
<212> DNA	
<213> Homo sapien	•
<400> 294	
ctgatacaaa tacagaaaac tctgcccatt atccaagaaa caaataat	ta agactaaaat 60
gcaagctgat gtgttgcagc attgtagggc cactaaatag ccatctgt	
ttt	123
0.00	
<210> 295	
<211> 311	
<212> DNA <213> Homo sapien	
12137 Homo Suprem	
<400> 295	
ctgcatacag acatttgttt aggtcatctg gattatcttg attgtcac	
ccacaaccag tgcctaggtg tgtgagaaga gtgatacaat aatactgt	
tagctaatcc agtctaagcc taacagaaac cttttccatc aaagtttt	
aacatctcat aagaggccag aggatggctt gtgcttaata tcacacct	
<pre>agtgetteee aggetgtetg ettacatttt agettgtett aeggttac tatttteatt t</pre>	311
<210> 296	
<211> 241	
<212> DNA	
<213> Homo sapien	
<400> 296	
ctgcggaaga tctgcaacca cccctacatg ttccagcaca tcgaggag	
cacttggggt tcactggcgg cattgtccaa gggctggacc tgtaccga	
tttgagcttc ttgatagaat tcttcccaaa ctccgagcaa ccaaccac	caa agtgctgctg 180

<pre> &lt;210&gt; 297</pre>	ttctgccaaa tgacctccct catgaccatc atggaagatt actttgcgta tcgcggcttt a	240 241
aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaatggtg tgaggcatct cacttagctg tgaggaagtc cttggaatta gatctcagaa agacagttt aagacagtta 120 aaacttttgg caatgggca attgctctaa aagaaggtt ctacctgaaa gaccttgcag gagggggggggg	<211> 295 <212> DNA	
aaacacaaga tgaaaatact ctgttctgtc caaagcatca cctaatggtg tgaggcatct cacttagctg tgaggaagtc cttggaatta gatctcagaa agacagttt aagacagtta 120 aaacttttgg caatgggca attgctctaa aagaaggtt ctacctgaaa gaccttgcag gagggggggggg	400 007	
cacttagctg tgggagaagtc cttggaatta gatctcagaa agacagctt aagacagtaa 120 aaccttttgg caatgggcta attgccttaa aagacaggta tgtacctgaag gactttgcag gtggagaaat tgtcctcacaa agattcttgg atatgttagt ggagataact gacatgggta 240 gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga 295   <210 > 298		
aaccttttgg caatgggcta attgccttaa aagaagggtt ctactgaaa gactttgcag gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta 240 gctgtgggtc aaccaggaac tgtcaacaac ctgatcttg caaaaaccagg atgga 295	Cacttagetg tggagaagte ettggaatta gateteagaa agacagettt aagacagtaa	
gtggaggaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatggga 240 gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga 295	aaccttttgg caatgggcta attgccttaa aagaagagtt ctacctgaaa gaccttgcag	
c210> 298	gtggagaaat tgtcctacaa agattcttgg atatgttagt ggagataact gacatgggta	
<pre>&lt;211&gt; 347</pre>	gctgtgggtc aaccaggaac tgtcaacaac ctgatctctg caaaaccagg atgga	295
<pre>&lt;212&gt; DNA</pre>	<210> 298	
<pre>&lt;400&gt; 298 Ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atggtggagg 60 accaacacct gctacccag agagctttc taaaaaaagc aagaaagcag tcatgagtgg 120 tattcacct gcagaagaca cggaaggtac tgagtttgag ccagagggac ttccagaagt 180 tgtaaagaaa gggtttgctg acatcccgac aggaaagact agccatata tcctgcgaag 240 aacaaccatg gcaactcgga ccagccccg cctggctgca cagaagttag cgctatccc 300 actgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347  &lt;210&gt; 299 &lt;211&gt; 268 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 299 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60 gaaaacacat gaccttttgc agtatagtgt gataactgaa taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagttttt tgaagtgaa tataaggaag taataagag aggctgcttt 180 tgaaggtcct ttgatctcc atgatgataa tatcgttgca aagttctta acttgtattc 240 aagtaattag cagttgacca cttggttt  &lt;210&gt; 300 &lt;211&gt; 185 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180 aagaggaaga atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180 aagaggaaga atggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaaagaggtct cggaggaagt tgcggagctc 180 aagaggaagaagaagagaggaagaagaggagaagagagag</pre>	<211> 347	
<pre>&lt;400&gt; 298 Ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggaga atggtggagg 60 accaaccacct gctacccag agagctttc taaaaaaagc aagaaagcag tcatgagtgg 120 tattcaccct gcagaagaca cggaaggtac tgagtttgag ccagaaggac ttccagaagt 180 tgtaaagaaa gggttgctg acatccgac aggaaagaca agcaatata tcctgggaag 240 aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 300 actgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347  &lt;210&gt; 299 &lt;211&gt; 268 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 299 aaaaagtaaa catgaaaaca tcacgaattg gataagtgt gaaggaagat ttaagtggaag agaagtcat ttaagtggat gtaagtgt taaccatgat caagaataac ttttgtaata ataaggaaag ttaagtgga gataaccatg agacttttc atgatctcc atgatgataa ataaggaaag taataagag aggctgcttt 240 aagtaattag cagttgacca cttggttt  &lt;210&gt; 300 &lt;211&gt; 185 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttatttctgt caaaaatctt catcagggt ccgggggagag ttagatcca ttagatccaa 60 ctgaccatct ttatttctgt caaaaatctt catcagggt ccgggggagag tctccaggggctc 180</pre>		
ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggagga atggtggagg 60 accaacacct gctacccag agagctttc taaaaaaagc aagaaagcag tcatgagtgg 120 tattcacct gcagaaggac cggaaggtac tgagtttgag ccagagggac ttccagaagt 180 tgtaaagaaa gggtttgctg acatcccgac agagaaagaac agacaaccattg gcaactcgga ccagccccg cctggctgca cagaagtac cagaagtag cgctatccc 300 actgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347  <210 > 299 <211 > 268 <212 > DNA <213 > Homo sapien  <400 > 299  aaaaacacat gaccttttgc agtatagtg gataacgaag taaaagtgaa agaaataaat ttttgtaata gaagagaagt ttaagtgag aggctgcttt ataaggaaag taaaggagaagt ttaagggaa aggatatac tatcgttgaa aagtaataa catgaagatac cttggttt  gcaggaagat ttaagtgga gtaagtttt atacgttgca aagttctta accttgtattc aagttgataa tatcgttgca aggttctta accttgtattc aagttgaca cttggttt  <210 > 300 <211 > 185 <212 > DNA <213 > Homo sapien  <400 > 300  aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa foctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggctttc tgtgtgaag aagaagtct cggaggaagt tgcggagctc 180	<213> Homo sapien	
ccaaaataaa gcttcaggca agaggcaaag atccagtgga atatgggagga atggtggagg 60 accaacacct gctacccag agagctttc taaaaaaagc aagaaagcag tcatgagtgg 120 tattcacct gcagaaggac cggaaggtac tgagtttgag ccagagggac ttccagaagt 180 tgtaaagaaa gggtttgctg acatcccgac agagaaagaac agacaaccattg gcaactcgga ccagccccg cctggctgca cagaagtac cagaagtag cgctatccc 300 actgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347  <210 > 299 <211 > 268 <212 > DNA <213 > Homo sapien  <400 > 299  aaaaacacat gaccttttgc agtatagtg gataacgaag taaaagtgaa agaaataaat ttttgtaata gaagagaagt ttaagtgag aggctgcttt ataaggaaag taaaggagaagt ttaagggaa aggatatac tatcgttgaa aagtaataa catgaagatac cttggttt  gcaggaagat ttaagtgga gtaagtttt atacgttgca aagttctta accttgtattc aagttgataa tatcgttgca aggttctta accttgtattc aagttgaca cttggttt  <210 > 300 <211 > 185 <212 > DNA <213 > Homo sapien  <400 > 300  aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa foctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggctttc tgtgtgaag aagaagtct cggaggaagt tgcggagctc 180	<400> 298	
accacacct gctacccag agagettic taaaaaaag aagaaagcag tcatgagtgg 120 tattcacct gcagaagaa cggaaggtac tgagatttagag ccagaaggac ttccagaagt 180 tgtaaagaaa gggtttgctg acateccgaa aggaaagact agcccatata tcctgcgaaag 240 aacaaccatg gcaactcgga ccagaccccg actggctgca cagaagttag cgctateccc 300 actgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347  <210 > 299 <211 > 268 <212 > DNA <213 > Homo sapien  <400 > 299 aaaaagtaaa catgaaaaca tcacgaattg gaagttttt aaaaggaaag taaaagtgaa aggaaataac ttttgtaata gcagagaagct ttaagtgga gtaagtttt ataaggaaag taaaagtgaa aggaaataaat		60
tattcacct gcagaagaca cggaaggtac tgagtttgag ccagagggac ttccagaagt tgtaaagaaa gggtttgctg acatcccgac aggaaagact agccatata tcctgcgaag 240 aacaacacatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc 300 acctgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347 c210> 299 c211> 268 c212> DNA c213> Homo sapien caagaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata gcaagaaaacacat gaccttttgc agtatagtgt gataacgaag taaaagtgaa aggaataacat tgaagtgat gcaagtaatag cagtgaaagt ttaagtggat gtaagtttt atacgtgca aagttctta acctgtatt caagaataac ttttgtaata gcaagaaaacat ttaagtggat gtaagtttt atacgtgca aagttctta acctgtatt caagaataac tactgaatt caagagaagt cagtgaataac tctggtatt 240 aagtaataag cagttgacca cttggttt ccttggtt acctggtt acctggtgaagtaataagtaa cattgtattc acctggtt 240 aagtaattag cagttgacca cttggttt 268 c210> 300 c211> 185 c212> DNA c213> Homo sapien c400> 300 aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccactct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttct tgtgtgtgaag aagaaggtct cggaggaagt tgcggagctc 180	accaacacct gctaccccag agagcttttc taaaaaaaagc aagaaagcag tcatqaqtqq	
tgtaaagaaa gggtttgctg acatcccgac aggaaagact agcccatata tcctgcgaag aacaaccatg gcaactcgga ccagccccg cctggctgca cagaagttag cgctatcccc 300 347 <pre></pre>	tattcaccct gcagaagaca cggaaggtac tgagtttgag ccagagggac ttccagaagt	
actgagtctc ggcaaagaaa atcttgcaga gtcctccaaa ccaacag 347  <210> 299 <211> 268 <212> DNA <213> Homo sapien  <400> 299 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60 gaaaacacat gacctttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataaggaaag taataagagg aggctgcttt 180 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttctta acttgtattc 240 aagtaattag cagttgacca cttggttt  <210> 300 <211> 185 <212> DNA <213> Homo sapien  <400> 300 aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttatttctgt caaaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgggtgaag aaagaggtct cggaggaagt tgcggagctc 180	tgtaaagaaa gggtttgctg acatcccgac aggaaagact agcccatata tcctqcqaaq	240
<pre>&lt;210&gt; 299</pre>	aacaaccatg gcaactcgga ccagcccccg cctggctgca cagaagttag cgctatcccc	
<pre>&lt;211&gt; 268 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 299 aaaaagtaaa catgaaaaca tcacgaattg gataccgaag taaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataagtgaa agaataaat 120 gcaggaaagt ttagatctcc atgatgataa tatcgttgca aagttctta acttgtattc 240 aagtaattag cagttgacca cttggttt  </pre> <pre> &lt;210&gt; 300 &lt;211&gt; 185 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300  aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt ctccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagagtct cggaggaagt tgcggagctc 180</pre>	actyagicic ggcaaagaaa atciigcaga gicciccaaa ccaacag	347
<pre>&lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 299 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataaggaaag taataagag aggctgcttt 180 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgtattc 240 aagtaattag cagttgacca cttggttt 268  &lt;210&gt; 300 &lt;211&gt; 185 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300 aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180</pre>	<210> 299	
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 299 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataaggaaag taataagagg aggctgcttt 180 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttctta acttgtattc 240 aagtaattag cagttgacca cttggttt 268  &lt;210&gt; 300 &lt;211&gt; 185 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180</pre>		
<pre>     &lt;400&gt; 299 aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataaggaaag taataagagg aggctgcttt 180 tgaaggtcct ttgatctcc atgatgataa tatcgttgca aagttcttta acttgtattc 240 aagtaattag cagttgacca cttggttt 268      &lt;210&gt; 300     &lt;211&gt; 185     &lt;212&gt; DNA     &lt;213&gt; Homo sapien      &lt;400&gt; 300 aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatc ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180 </pre>		
aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttgtaata 60 gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataaggaaag taataagagg aggctgcttt 180 tgaaggtcct ttgatctcc atgatgataa tatcgttgca aagttcttta acttgtattc 240 aagtaattag cagttgacca cttggttt 268 c210 300 c211 185 c212 DNA c213 Homo sapien c400 300 aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180	<213> Homo sapien	
gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataaggaaag taataagagg aggctgcttt 180 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgtattc 240 aagtaattag cagttgacca cttggttt 268  <210 > 300 <211 > 185 <212 > DNA <213 > Homo sapien  <400 > 300 aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180	<400> 299	
gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat 120 gcaggaaagt ttaagtggat gtaagtttt ataaggaaag taataagagg aggctgcttt 180 tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgtattc 240 aagtaattag cagttgacca cttggttt 268  <210 > 300 <211 > 185 <212 > DNA <213 > Homo sapien  <400 > 300 aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180	aaaaagtaaa catgaaaaca tcacgaattg taccatgatt caagaataac ttttqtaata	60
tgaaggtcct ttgatcttcc atgatgataa tatcgttgca aagttcttta acttgtattc  aagtaattag cagttgacca cttggttt  240 268  <210> 300 <211> 185 <212> DNA <213> Homo sapien  <400> 300  aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc  180	gaaaacacat gaccttttgc agtatagtgt gataccgaag taaaagtgaa agaaataaat	120
aagtaattag cagttgacca cttggttt <pre></pre>	gcaggaaagt ttaagtggat gtaagttttt ataaggaaag taataagagg aggctgcttt	180
<pre> &lt;210&gt; 300 &lt;211&gt; 185 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300  aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180 </pre>	aggraattag cagttgacca ettegttt	
<pre>&lt;211&gt; 185 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300  aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180</pre>	augeauceug eugetgacea ettggttt	268
<pre>&lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;400&gt; 300  aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180</pre>	<210> 300	
<pre>&lt;213&gt; Homo sapien  &lt;400&gt; 300  aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180</pre>		
<pre>&lt;400&gt; 300 aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttattctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggccttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180</pre>		
aaattggaga aggaagttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa 60 ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180	<213> HOHIO Sapien	
ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180	<400> 300	
ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt 120 agcctcagaa atggcctttc tgtggtgaag aaagaggtct cggaggaagt tgcggagctc 180	aaattggaga aggaagtttt cctgaagagc cagaatcctt gctaagtcat ttagatccaa	60
	ctgaccatct ttatttctgt caaaaatctt catcatggtg ccggtgtatt cttccagttt	120
10E		
	ageag	185



```
<210> 301
      <211> 75
      <212> DNA
      <213> Homo sapien
      <400> 301
aaaattggaa agtgggataa gaaatctaaa gtaaccagct tatctttgaa acaatattat
                                                                         60
tttgaaattg gcttt
                                                                         75
      <210> 302
      <211> 247
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(247)
      <223> n = A, T, C \text{ or } G
      <400> 302
                                                                         60
ccatgttctc tgaattgggt gcagaagaca agggcagagt ggctgcggcc cctattacct
ttgtagcagc cacatcagaa agcagaagaa aacagtattt ctgaaggcat tgtttgaggt
                                                                        120
tgatctcagc actgaacgat ttcaagccct acgcaccana acagaaggag gytggaggaa
                                                                        180
                                                                        240
gtgatcanag ggaacgagct gtaggtttgc anaaatgtgt gaaaccaaaa tgatcactgc
                                                                        247
ctacttg
      <210> 303
      <211> 535
      <212> DNA
      <213> Homo sapien
      <400> 303
ctgcttcaga ggaaatcact gaaaaataaa gaaaaaccat ccatgcatgg ctgcatccag
                                                                         60
tgtacctgta atcctgaaga aaaggtccta attccttcca tgctgaaatg ctagctttgg
                                                                        120
tttcagagag agactttatt gcaactgtga ccaccgtcac tggtgagcac tgctgttcgg
                                                                        180
                                                                        240
cccccagcgg acttaaaaga ctggaatgtg gtagtggcgg tcgttctcgg tcagcaggga
gatctccggc cagtccctga gaggctcctc tgggtagcag acttcaaagt ctctggagtt
                                                                        300
                                                                        360
aaacttgaac agtctgaaca cttttatctt tacttcaagg gagtatccaa gtataaacat
atcaatctgc tctagtccac atgtgtcgcc tacagaattc aggtgattca tcatgaagct
                                                                        420
caaaqqatca gaggatgtct ccctggaaaa caggagtcta aaaagactgg gaatgacctt
                                                                        480
tttagtcttc atttgttcat aaacttcagt gacttgatac agcatgatga acttt
                                                                        535
      <210> 304
      <211> 522
      <212> DNA
      <213> Homo sapien
      <400> 304
cogogotogg totacaatca ogttttatta ttggctogto tagtcatggg atagagaagg
                                                                         60
taaatagcaa aatagaaaga aaagggggaa aaggtagaag gcaaggggaa aactattggt
                                                                        120
tttagatett tateetggte etgteaatga teaggtaatt ggaaggatea aaattaggee
                                                                        180
```

atatg atgct accaa ttcaa	tggta attgggccaa tgact aaatcatttg aacca gaagtccctt aatat tgatgtattt caatt cagttatatt attca gtctcacaag	gaatatgccc actgtagaag tccaacacca ctgtcactaa	agaccccaag attgtaaggt attctccaat ttcctgcagc	aatatttatg tgctatttt tctctgacac tatcagcagg	cccaacttga ttgccccgac caactcgatg	240 300 360 420 480 522
	<210> 305 <211> 165 <212> DNA <213> Homo sapie	en				
gagtg	<400> 305 agege tectegetga catat gecagttete cetgg getgeattgg	ctcctcctcc	accctggtgc	tgtgaggcat		60 120 165
	<210> 306 <211> 294 <212> DNA <213> Homo sapie	en				
ggaca accca gcccg	<400> 306 cctaa gacatggccc cagtt ggtgtccaga cacga cagagacgtc gcatc cgcccatgct tctcc ctccatcatt	aaagggggct actcaagcag gggagactcc	cagaacacag cacagccaca ctgaaaggtg	tttctacaca aatagtttac ggcacctgcc	agcacttggc agcagctcat gtctatgagg	60 120 180 240 294
	<210> 307 <211> 181 <212> DNA <213> Homo sapie	en				
tattg	<400> 307 tccat gacaccttga ccagc agctataaag ttata tctgacaccc	tgaacgtact	gagaccgaca	ggacagcaag	aaggcatttg	60 120 180 181
	<210> 308 <211> 179 <212> DNA <213> Homo sapie	en				
	<220> <221> misc_featu <222> (1)(179 <223> n = A,T,C	9)				
	<400> 308					

aaggetgagg actgetggga geteagatea geeeggaget actggeteat gggeageeaa aaaataetgg atetgetgaa egaaggetea geeegagate teegeagtet teagegeatt ggeeegaaga aggeeeanet aategtggge tggegggage teeaeggeee etteageea	60 120 179
<210> 309 <211> 129 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(129) <223> n = A,T,C or G	
<400> 309 ctgcccgctt gcccgtagct gactcagntt cctcatcttc atctccatcc tcttcctcac catcaccttc ttcttcctcc tcctcttcct ccccaccttc ttcctcttct tcgtctacct cattgtcag	60 120 129
<210> 310 <211> 390 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 310  tgaggctggg ggagagccgt ggtccctgag gatgggtcag agctaaactc cttcctggcc tgagagtcag ctctctgccc tgtgtacttc ccgggccagg gctgccccta atctctgtag gaaccgtggt atgtctgcat gttgcccctt tctctttcc cctttcctgt cccaccatac gagcacctcc agcctgaaca gaagctctta ctctttccta tttcagtgtt acctgtgtgc ttggtctgtt tgactttacg cccatctcag gacacttccg tagactgttt aggttcccct gtcaaatatc agttacccac tcggtcccag ttttgttgcc ccagaaaggg atgttattat ccttgggggc tcccagggca agggttaagg</pre>	60 120 180 240 300 360 390
<210> 311 <211> 355 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(355) <223> n = A,T,C or G	
<pre>&lt;400&gt; 311  cctctctgtg ctgctgaagg cagatcgctt gttccacacc agctaccact cccaggcagt gcatatccgc ctgttgagaa atgccgtgtc tagattgtgg acaagagcct gcgtgattat gctatangga naaaaattct tcgagttcca cccnanctcc tctaaacatt tggctcactc aaaacaaaaa gncaccaatc ttantactgc tgaacttcat ttatgtnacc taacattaac cntcgtagga aaaccaaata gccctctcgt ncangatatg ttgctaaagg actaccntgt tcaacacaac ggctccggtg tgtgaactcc tgtttgggtg attcccctac tctca</pre>	60 120 180 240 300 355

```
<210> 312
      <211> 498
      <212> DNA
      <213> Homo sapien
      <400> 312
ccattettt gaatetaate tattateaat ageateetee ataatatett tgataaaagg
                                                                        60
tgtccaccga gagagctgaa aagtttcttc tgcagaccga tcctttctta acggtttgcc
                                                                       120
ttgttgagat tggggaacaa tgggaacacc aaggtaactc cagttacgaa tcatgtcact
                                                                       180
ctcattttct atctttacat tctggatcaa cctgtccaaa ttttcttccg tagttccatt
                                                                       240
aatactgaag atataaagta gaattgctct tattttatca caattatcat gatttttgtt
                                                                       300
qaqtaqaact ggaaggagta ctcgcatgga atctttcacc ttctgtcctt ctgcatcagt
                                                                       360
tccaagtgcc aggtcctgtt cagttttgca gagcttttct atattaagct tgaacttatt
                                                                       420
                                                                       480
catgcaatct tctgctaagt taagatggac aacttgctta gtaatctgtt ttcggaaata
                                                                       498
gggcatcttt ttcatcag
      <210> 313
      <211> 653
      <212> DNA
      <213> Homo sapien
      <400> 313
aaacttatca gattttttta agttaggtaa tttcaatcca cagtggctcc atatggttaa
                                                                        60
aaaaacaaaa acaaaaacgc atttaaggat acacgaagca gtgaaaacaa agccccagta
                                                                       120
ttttcgctaa agtactggaa atacctgttt ctaaaaaacag ctttatattt gtccactgcc
                                                                       180
tagaataget eteacecaaa eeteaaaaat aagageagat agattttaga ageaagaaaa
                                                                       240
                                                                       300
ggtaaacagt gcccatatta tttgagactg gctctgctgc cctccctaag ccagtttaca
ttctttgaga ttcttggagt gggtgagtca gggctgaaga ctgcacaggc catgtcccct
                                                                       360
gctccaacta ttcctcagaa cgtcccaggt ggagggagtg gcctgtcgat tttcactcat
                                                                       420
tccatggagc tctgtgtaca tgaaaattcc tccaagtgtg gcttttgtcg aattcagaga
                                                                       480
tacagcaagc cacgcataaa acatggagtg tagagcactg gtgtacctag cttagaaaca
                                                                       540
ccctcggtga atgtggtact gtggctcgaa aggaagcaag ggacaggacc caggagactg
                                                                       600
                                                                       653
ggcggccagg ctctcggagt tccacacaca cctgtgaagc ccggccagca cag
      <210> 314
      <211> 513
      <212> DNA
      <213> Homo sapien
      <400> 314
ctggaagatt ttgctgcatt tggcattata ctgtaattta cagtatacaa catctgggga
                                                                        60
ctcagtacta tcttagcaca gactaacttc tcccactccg tcagaggtgg caggtggcgg
                                                                       120
gtcggtgggg agggcctttt ctccccataa atgcctgaac tttaatttat accatataag
                                                                       180
aaatcagtga aaggtaaaca acaaggttaa tgtaactcta ttataaattt tgcatttttt
                                                                       240
ttctctgtga catatacaag tatatttttg tttttggagc tataaattat ttaatttagc
                                                                       300
aatcttcaaa gctcataaat ttcaactttt caaataagaa attttaactt caaataagaa
                                                                       360
gtctaggact ttatggctat taattttact atcaaaatat ccaagggact ccattcaatg
                                                                       420
taatagttat aattetteta aatateattt gaataattet ttgtggaege tagaeteaag
                                                                       480
actatgctac atccaaacag tacatctata acc
                                                                       513
```

```
<211> 222
      <212> DNA
       <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(222)
      <223> n = A,T,C \text{ or } G
      <400> 315
                                                                      60
atttatattc aaggnatctc aaagaaagca ttttcatttc actgcacatc tagagaaaaa
caaaaataga aaattttcta gtccatccta atctgaatgg tgctgtttct atattggtca
                                                                      120
ttgccttgca aacaggagct ccacaaaagc caggaagaga gactgcctcc ttggctgaaa
                                                                      180
                                                                      222
gagtcctttc aggaaggtgg actgcattgg tttgatatgt tt
<210> 316
<211> 1633
<212> DNA
<213> Homo sapiens
<400> 316
cgtggaggca gctagcgcga ggctggggag cgctgagccg cgcgtcgtgc cctgcgctgc 60
ccagactagc gaacaataca gtcgggatgg ctaaaggtga ccccaagaaa ccaaagggca 120
agacqtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180
cagaggtccc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240
tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300
atcgggaaat gaaggattat ggaccagcta agggaggcaa gaagaagaag gatcctaatg 360
aatccacaaa ccccggcatc tctattggag acgtggcaaa aaagctgggt gagatgtgga 480
ataatttaaa tgacagtgaa aagcagcctt acatcactaa ggcggcaaag ctgaaggaga 540
agtatgagaa ggatgttgct gactataagt cgaaaggaaa gtttgatggt gcaaagggtc 600
ctqctaaaqt tqcccqqaaa aaggtggaag aggaagatga agaacaggag gaggaagaag 660
aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720
ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780
attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840
aattgtcagt ggtttacatg aagtggccat gggtgtctgg agcaccctga aactgtatca 900
aagttgtaca tatttccaaa catttttaaa atgaaaaggc actctcgtgt tctcctcact 960
ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca ttttctttt 1020
atttgtaagg tggtggtaac tatggttatt ggctagaaat cctgagtttt caactgtata 1080
tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140
gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200
gaggctggac ctgttgactc tgcagggggc atccatttag cttcaggttg tcttgtttct 1260
gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320
catgagaata tttttttta agtgcggtag tttttaaact gtttgttttt aaacaaacta 1380
tagaactett cattgtcage aaageaaaga gteactgeat caatgaaagt teaagaacet 1440
cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500
aatgtttttg aagttaaata aacagtatta catttttaga actcttctct actataacag 1560
tcaatttctg actcacagca gtgaacaaac ccccactccg ttgtatttgg agactggcct 1620
ccctataaat gtg
```

<210> 317 <211> 4235 <212> DNA <213> Homo sapiens

<400> 317 gaatccaagg gggccagttc ctgccgtctg ctcttctgcc tcttgatctc cgccaccgtc 60 ttcaggccag gccttggatg gtatactgta aattcagcat atggagatac cattatcata 120 ccttgccgac ttgacgtacc tcagaatctc atgtttggca aatggaaata tgaaaagccc 180 gatggctccc cagtatttat tgccttcaga tcctctacaa agaaaagtgt gcagtacgac 240 gatgtaccag aatacaaaga cagattgaac ctctcagaaa actacacttt gtctatcagt 300 aatgcaagga tcagtgatga aaagagattt gtgtgcatgc tagtaactga ggacaacgtg 360 tttgaggcac ctacaatagt caaggtgttc aagcaaccat ctaaacctga aattgtaagc 420 aaagcactgt ttctcgaaac agagcagcta aaaaagttgg gtgactgcat ttcagaagac 480 agttatccag atggcaatat cacatggtac aggaatggaa aagtgctaca tccccttgaa 540 ggagcggtgg tcataatttt taaaaaggaa atggacccag tgactcagct ctataccatg 600 acttccaccc tggagtacaa gacaaccaag gctgacatac aaatgccatt cacctgctcg 660 gtgacatatt atggaccatc tggccagaaa acaattcatt ctgaacaggc agtatttgat 720 atttactatc ctacagagca ggtgacaata caagtgctgc caccaaaaaa tgccatcaaa 780 gaaggggata acatcactct taaatgctta gggaatggca acceteceee agaggaattt 840 ttgttttact taccaggaca gcccgaagga ataagaagct caaatactta cacactgacg 900 gatgtgaggc gcaatgcaac aggagactac aagtgttccc tgatagacaa aaaaagcatg 960 attgcttcaa cagccatcac agttcactat ttggatttgt ccttaaaccc aagtggagaa 1020 gtgactagac agattggtga tgccctaccc gtgtcatgca caatatctgc tagcaggaat 1080 gcaactgtgg tatggatgaa agataacatc aggettegat etagecegte attitetagt 1140 cttcattatc aggatgctgg aaactatgtc tgcgaaactg ctctgcagga ggttgaagga 1200 ctaaagaaaa gagagtcatt gactctcatt gtagaaggca aacctcaaat aaaaatgaca 1260 aagaaaactg atcccagtgg actatctaaa acaataatct gccatgtgga aggttttcca 1320 aagccagcca ttcagtggac aattactggc agtggaagcg tcataaacca aacagaggaa 1380 tctccttata ttaatggcag gtattatagt aaaattatca tttcccctga agagaatgtt 1440 acattaactt gcacagcaga aaaccaactg gagagaacag taaactcctt gaatgtctct 1500 gctataagta ttccagaaca cgatgaggca gacgagataa gtgatgaaaa cagagaaaag 1560 gtgaatgacc aggcaaaact aattgtggga atcgttgttg gtctcctcct tgctgccctt 1620 gttgctggtg tcgtctactg gctgtacatg aagaagtcaa agactgcatc aaaacatgta 1680 aacaaggacc tcggtaatat ggaagaaaac aaaaagttag aagaaaacaa tcacaaaact 1740 gaagcctaag agagaaactg tcctagttgt ccagagataa aaatcatata gaccaattga 1800 agcatgaacg tggattgtat ttaagacata aacaaagaca ttgacagcaa ttcatgttca 1860 agtattaagc agttcattct accaagctgt cacaggtttt cagagaatta tctcaagtaa 1920 aacaaatgaa atttaattac aaacaataag aacaagtttt ggcagccatg ataataggtc 1980 atatgttgtg tttggttcaa ttttttttcc gtaaatgtct gcactgagga tttctttttg 2040 gtttgccttt tatgtaaatt ttttacgtag ctatttttat acactgtaag ctttgttctg 2100 ggagttgctg ttaatctgat gtataatgta atgtttttat ttcaattgtt tatatggata 2160 atctgagcag gtacatttct gattctgatt gctatcagca atgccccaaa ctttctcata 2220 agcacctaaa acccaaaggt ggcagcttgt gaagattggg gacactcata ttgccctaat 2280 taaaaactgt gatttttatc acaagggagg ggaggccgag agtcagactg atagacacca 2340 taggagccga ctctttgata tgccaccagc gaactctcag aaataaatca cagatgcata 2400 tagacacaca tacataatgg tactcccaaa ctgacaattt tacctattct gaaaaagaca 2460 taaaacagaa tttggtagca cttacctcta cagacacctg ctaataaatt attttctgtc 2520 aaaagaaaaa acacaagcat gtgtgagaga cagtttggaa aaatcatggt caacattccc 2580

attttcatag atcacaatgt aaatcactat aattacaaat tggtgttaaa tcctttgggt 2640 tatccactgc cttaaaatta tacctatttc atgtttaaaa agatatcaat cagaattgga 2700

```
qtttttaaca gtggtcatta tcaaagctgt gttattttcc acagaatata gaatatatat 2760
ttttttcgtg tgtgtttttg ttaactaccc tacagatatt gaatgcacct tgagataatt 2820
tagtgtttta actgatacat aatttatcaa gcagtacatg aaagtgtaat aataaaatgt 2880
ctatgtatct ttagttacat tcaaatttgt aactttataa acatgtttta tgcttgagga 2940
aatttttaag gtggtagtat aaatggaaac tttttgaagt agaccagata tgggctactt 3000
gtgactagac tittaaactt tgctctttca agcagaagcc tggtttctgg gagaacactg 3060
cacagtgatt totttoccag gatttacaca actttaaagg gaagataaat gaacatcaga 3120
tttctaggta tagaactatg ttattgaaag gaaaaggaaa actggtgttt gtttcttaga 3180
ctcatgaaat aaaaaattat gaaggcaatg aaaaataaat tgaaaattaa agtcagatga 3240
gaataggaat aatactttgc cacttctgca ttatttagaa acatacgtta ttgtacattt 3300
gtaaaccatt tactgtctgg gcaatagtga ctccgtttaa taaaagcttc cgtagtgcat 3360
tggtatggat taaatgcata aaatatctta gactcgatgc tgtataaaat attatgggaa 3420
aaaagaaata cgttattttg cctctaaact tttattgaag ttttatttgg caggaaaaaa 3480
aattgaatct tggtcaacat ttaaaccaaa gtaaaagggg aaaaaccaaa gttatttgtt 3540
ttgcatggct aagccattct gttatctctg taaatactgt gatttctttt ttattttctc 3600
tttagaattt tgttaaagaa attctaaaaat ttttaaacac ctgctctcca caataaatca 3660
caaacactaa aataaaatta cttccatata aatattattt tctcttttgg tgtgggagat 3720
caaaggttta aagtctaact tctaagatat atttgcagaa agaagcaaca tgacaataga 3780
gagagttatg ctacattatt tcttggtttc cacttgcaat ggttaattaa gtccaaaaac 3840
agetgteaga acetegagag cagaacatga gaaacteaga getetggace gaaageagaa 3900
agtttgccgg aaaaaaaaag accacattat taccatcgat tcagtgcctg gataaagagg 3960
adagcttact tgtttaatgg cagccacatg cacgaagatg ctaagaagaa aaagaattcc 4020
aaatcctcaa cttttgaggt ttcggctctc caatttaact ctttggcaac aggaaacagg 4080
ttttgcaagt tcaaggttca ctccctatat gtgattatag gaattgtttg tggaaatgga 4140
ttaacatacc cgtctatgcc taaaagataa taagaaaact gaaatatgtc ttcaaaaaaa 4200
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaa
                                                                  4235
```

```
<210> 318
<211> 3347
<212> DNA
<213> Homo sapiens
```

```
atcccttgga ggcattcatg gctgaagtgg aggatcaggc agctagagac atgaagaggc 60
ttgaagaaaa ggacaaggaa agaaaaaacg taaagggtat tcgagatgac attgaagagg 120
aagatgacca agaagcttat tttcgataca tggcagaaaa cccaactgct ggtgtggttc 180
aggaggaaga ggaagacaat ctagaatatg atagtgacgg aaatccaatt gcacctacca 240
aaaaaatcat tgatcctctt ccccccattg atcattcaga gattgactat ccaccatttg 300
aaaaaaactt ttacaatgag catgaagaga taaccaacct cactccacag cagttaatag 360
atctccggca taagctcaat cttcgggtct ctggtgctgc acctcctaga ccaggaagta 420
getttgetea ttttgggttt gacgaacaac ttatgcaeca gatteggaaa tetgaataca 480
cacageceae tecaatacag tgecagggtg tgeetgtgge attaagtggt agagacatga 540
ttggtattgc caaaacaggt agtgggaaaa ctgcagcctt catttggccc atgttgattc 600
atataatgga ccagaaggag ttggaaccag gtgatggacc aattgcagtg attgtgtgtc 660
ctaccaggga gctttgccag cagatccatg cagaatgtaa gcggtttgga aaagcatata 720
atcttcgatc agtggccgta tatggaggag ggagtatgtg ggagcaggcc aaggcccttc 780
aggagggggc agagattgtt gtgtgtaccc caggtcgact gatagatcat gtgaaaaaga 840
aagctaccaa tottcaaaga gtotottaco ttgtgtttga tgaagcagat cgaatgtttg 900
acatgggatt tgagtaccaa gttcgatcca tagcaagtca tgttcgtcct gacaggcaga 960
ctctcttatt tagtgcaact tttcggaaga agattgaaaa gttggccaga gacatcctga 1020
tcgaccctat tcgagtggtg cagggagata ttggagaggc aaatgaagat gtgacacaga 1080
```

```
ttgtggagat tctccattct ggacctagta aatggaactg gcttacccgg cgtctggtag 1140
aatttacctc ttcagggagt gtcctcctct ttgttactaa aaaagccaat gctgaagagc 1200
tagcgaataa ccttaaacag gagggtcata atcttgggct gctccatggg gatatggatc 1260
agagtgagag aaacaaggtc atttcagact ttaagaaaaa ggacatccca gtcctggtgg 1320
ccacagatgt tgcagcccgt ggtctggaca ttccttcaat taagactgtc attaactatg 1380
atgtggcacg agacattgat acccacacgc ataggattgg ccgcacagga agagcgggtg 1440
agaaaggtgt ggcctatacc ctactcactc ccaaggacag caattttgct ggtgacctgg 1500
tccggaactt ggaaggagcc aatcaacacg tttctaagga actcctagat ctggcaatgc 1560
agaatgcctg gtttcggaaa tctcgattca aaggagggaa aggaaaaaag ctgaacattg 1620
gtggaggagg cctaggctac agggagcggc ctggcctggg ctctgagaac atggatcgag 1680
gaaataacaa tgtaatgagc aattatgagg cctacaagcc ttccacagga gctatgggag 1740
atcgactaac ggcaatgaaa gcagctttcc agtcacagta caagagtcac tttgttgcag 1800
ccagtttaag taatcagaag gctggaagtt ctgctgctgg ggcaagtggg tggactagtg 1860
cagggagett gaattetgtt ccaactaact cagcacaaca gggccataac agteetgaca 1920
gccccgtcac cagtgccgcc aagggcatcc caggctttgg caatactggc aacatcagtg 1980
gtgcccctgt gacctacccg tctgccggag cccaaggagt caacaacaca gcttcaggga 2040
ataacagccg agaagggact gggggcagca acgggaaaag agagagatat actgagaacc 2100
ggggcagcag cccgtcacag tcacggagag actggcaatc ggcatagcga tagtccacgt 2160
cacggagatg gtggtcgcca tggagatgga taccgccatc cagaaagcag cagccgtcat 2220
actgatggcc atcggcacgg ggagaacaga catggaggaa gcgcaggccg gcatggggag 2280
aaccggggtg caaatgatgg tcggaatggg gaaagcagga aagaagcttt taatcgtgag 2340
agcaagatgg agcccaagat ggaacccaaa gtggacagca gcaagatgga caaggtggac 2400
agcaagacag ataagacagc tgacggcttt gctgtcccag agccgcctaa acgcaagaaa 2460
agtcgatggg acagttagag gggatgtgct aaagcgtgaa atcagttgtc cttaattttt 2520
agaaagattt tggtaactag gtgtctcagg gctgggttgg ggtccaaagt gtaaggaccc 2580
cctgccctta gtggagagct ggagcttgga gacattaccc cttcatcaga aggaattttc 2640
ggatgttttc ttgggaagct gttttggtcc ttggaagcag tgagagctgg gaagcttctt 2700
ttggctctag gtgagttgtc atgtgggtaa gttgaggtta tcttgggata aagggtcttc 2760
tagggcacaa aactcactct aggtttatat tgtatgtagc ttatattttt tactaaggtg 2820
tcaccttata agcatctata aattgacttc tttttcttag ttgtatggcc aggcagtccc 2880
cattttagga gttggcttct gcaaattcaa tccattgagc taactgttgg ggagcaattt 2940
ggtagttgta gacatttgca gggaagggag atgtctgatt ctaaatggga gttgatgctc 3000
aggtccccag ccaggtttgc atccagccct gagacatgta ggaaacacct ttcagaccca 3060
ggctctgaag attcccagaa gccacaagga ttgaagggaa aaggtgatcc tggtaactgt 3120
tccaggattg ctccaggttt gagatggtat tgctaaattt aaaattaaac aagaaaccca 3180
acaacagctt ttaaagtgtc ttctatctca ttgtattttt tttaacttgc cccaatgata 3240
gaaaagtett tigetgaaat gatittigatg attittigtit ategittata.aaaaggaaaa 3300
gaaatataca aactttgact tttgtgaaaa aaaaaaaaa aaaaaaa
                                                                  3347
<210> 319
<211> 1814
```

```
ggggagatga teegageege geegeegeeg etgtteetge tgetgetget getgetgetg 60
ctagtgtcct gggcgtcccg aggcgaggca gcccccgacc aggacgagat ccagcgcctc 120
cccgggctgg ccaagcagcc gtctttccgc cagtactccg gctacctcaa aagctccggc 180
tccaagcacc tccactactg gtttgtggag tcccagaagg atcccgagaa cagccctgtg 240
gtgctttggc tcaatggggg tcccggctgc agctcactag atgggctcct cacagagcat 300
ggccccttcc tggtccagcc agatggtgtc accctggagt acaaccccta ttcttggaat 360
```

<sup>&</sup>lt;212> DNA

<sup>&</sup>lt;213> Homo sapiens

```
ctgattgcca atgtgttata cctggagtcc ccagctgggg tgggcttctc ctactccgat 420
gacaagtttt atgcaactaa tgacactgag gtcgcccaga gcaattttga ggcccttcaa 480
gatttcttcc gcctctttcc ggagtacaag aacaacaaac ttttcctgac cggggagagc 540
tatqctqqca tctacatccc caccctqqcc qtqctqqtca tqcaqqatcc caqcatqaac 600
cttcaggggc tggctgtggg caatggactc tcctcctatg agcagaatga caactccctg 660
gtctactttg cctactacca tggccttctg gggaacaggc tttggtcttc tctccagacc 720
cactgctgct ctcaaaacaa gtgtaacttc tatgacaaca aagacctgga atgcgtgacc 780
aatcttcagg aagtggcccg catcgtgggc aactctggcc tcaacatcta caatctctat 840
gccccgtgtg ctggaggggt gcccagccat tttaggtatg agaaggacac tgttgtggtc 900
caggatttgg gcaacatctt cactcgcctg ccactcaagc ggatgtggca tcaggcactg 960
ctgcgctcag gggataaagt gcgcatggac ccccctgca ccaacacaac agctgcttcc 1020
acctacctca acaacccgta cgtgcggaag gccctcaaca tcccggagca gctgccacaa 1080
tgggacatgt gcaactttct ggtaaactta cagtaccgcc gtctctaccg aagcatgaac 1140
tcccagtatc tgaagctgct tagctcacag aaataccaga tcctattata taatggagat 1200
gtagacatgg cctgcaattt catgggggat gagtggtttg tggattccct caaccagaag 1260
atggaggtgc agcgccggcc ctggttagtg aagtacgggg acagcgggga gcagattgcc 1320
ggcttcgtga aggagttctc ccacatcgcc tttctcacga tcaagggcgc cggccacatg 1380
gttcccaccg acaagcccct cgctgccttc accatgttct cccgcttcct gaacaagcag 1440
ccatactgat gaccacagca accagctcca cggcctgatg cagcccctcc cagcctctcc 1500
cgctaggaga gtcctcttct aagcaaagtg cccctgcagg cgggttctgc cgccaggact 1560
qcccccttcc cagagccctg tacatcccag actgggccca gggtctccca tagacagcct 1620
gggggcaagt tagcacttta ttcccgcagc agttcctgaa tggggtggcc tggccccttc 1680
tetgettaaa gaatgeeett tatgatgeae tgatteeate eeaggaacee aacagagete 1740
aggacagccc acagggaggt ggtggacgga ctgtaattga tagattgatt atggaattaa 1800
                                                                  1314
attgggtaca gctt
<210> 320
<211> 3132
```

```
<212> DNA
<213> Homo sapiens
```

```
<400> 320
ccgcagaact tggggagccg ccgccgccat ccgccgccgc agccagcttc cgccgccgca 60
qqaccggccc ctgccccagc ctccgcagcc gcggcgcgtc cacgcccgcc cgcgcccagg 120
gcgagtcggg gtcgccgct gcacgcttct cagtgttccc cgcgccccgc atgtaacccg 180
gccaggcccc cgcaacggtg tcccctgcag ctccagcccc gggctgcacc cccccgcccc 240
gacaccaget etecageetg etegteeagg atggeeggg ecaaggeega gatgeagetg 300
atgtccccgc tgcagatctc tgacccgttc ggatcctttc ctcactcgcc caccatggac 360
aactacccta agctggagga gatgatgctg ctgagcaacg gggctcccca gttcctcggc 420
gccgccgggg ccccagaggg cagcggcagc aacagcagca gcagcagcag cgggggggt 480
ggaggcggcg ggggcggcag caacagcagc agcagcagca gcaccttcaa ccctcaggcg 540
gacacgggcg agcagccta cgagcacctg accgcagagt cttttcctga catctctctg 600
aacaacgaga aggtgctggt ggagaccagt taccccagcc aaaccactcg actgcccccc 660
atcacctata ctggccgctt ttccctggag cctgcaccca acagtggcaa caccttgtgg 720
ecegageece tetteagett ggteagtgge etagtgagea tgaccaacce aceggeetee 780
tegteeteag caccatetee ageggeetee teegeeteeg ceteceagag cecaceeetg 840
agetgegeag tgecatecaa egacageagt eccatttaet eageggeace cacetteece 900
acgccgaaca ctgacatttt ccctgagcca caaagccagg ccttcccggg ctcggcaggg 960
acagegetee agtaceegee teetgeetae eetgeegeea agggtggett ceaggtteee 1020
atgateceeg actacetgtt tecacageag cagggggate tggggeetggg caceecagae 1080
cagaageeet tecagggeet ggagageege acceageage ettegetaae eestetgtet 1140
```

```
actattaagg cetttgecae teagteggge teceaggace tgaaggeeet caataceage 1200
taccagtccc agetcateaa acceageege atgegeaagt ateceaaceg geeeageaag 1260
acgececce acgaacgee ttacgettge ccagtggagt cetgtgateg cegettetee 1320
cgctccgacg agctcacccg ccacatccgc atccacacag gccagaagcc cttccagtgc 1380
cgcatctgca tgcgcaactt cagccgcagc gaccacctca ccacccacat ccgcacccac 1440
acaggegaaa agecettege etgegacate tgtggaagaa agtttgeeag gagegatgaa 1500
cgcaagaggc ataccaagat ccacttgcgg cagaaggaca agaaagcaga caaaagtgtt 1560
gtggcctctt cggccacctc ctctctctct tcctacccgt ccccggttgc tacctcttac 1620
ccgtccccgg ttactacctc ttatccatcc ccggccacca cctcataccc atcccctgtg 1680
cccacctcct tetectetee eggeteeteg acetacceat eccetgtgea cagtggette 1740
contrologic eggtggccar cargtacter totgttcccr etgetttere ggcccaggte 1800
agcagettee ettecteage tgtcaccaae teetteageg cetecacagg gettteggae 1860
atgacagcaa ccttttctcc caggacaatt gaaatttgct aaagggaaag gggaaagaaa 1920
gggaaaaggg agaaaaagaa acacaagaga cttaaaggac aggaggagga gatggccata 1980
ggagaggagg gttcctctta ggtcagatgg aggttctcag agccaagtcc tccctctcta 2040
ctggagtgga aggtctattg gccaacaatc ctttctgccc acttcccctt ccccaattac 2100
tattcccttt gacttcagct gcctgaaaca gccatgtcca agttcttcac ctctatccaa 2160
agaacttgat ttgcatggat tttggataaa tcatttcagt atcatctcca tcatatgcct 2220
gaccccttgc tcccttcaat gctagaaaat cgagttggca aaatggggtt tgggcccctc 2280
agagecetge cetgeaceet tgtacagtgt etgtgecatg gatttegttt ttettggggt 2340
actettgatg tgaagataat ttgcatatte tattgtatta tttggagtta ggteeteact 2400
tgggggaaaa aaaaaaaaaa aagccaagca aaccaatggt gatcctctat tttgtgatga 2460
tgctgtgaca ataagtttga accttttttt ttgaaacagc agtcccagta ttctcagagc 2520
atgtgtcaga gtgttgttcc gttaaccttt ttgtaaatac tgcttgaccg tactctcaca 2580
tgtggcaaaa tatggtttgg tttttctttt ttttttttga aagtgttttt tcttcgtcct 2640
tttggtttaa aaagtttcac gtcttggtgc cttttgtgtg atgccccttg ctgatggctt 2700
gacatgtgca attgtgaggg acatgctcac ctctagcctt aagyggggca gggagtgatg 2760
agaatgtaag aaaacaaaat ctaaaacaaa atctgaactc tcaaaagtct atttttttaa 2880
ctgaaaatgt aaatttataa atatattcag gagttggaat gttgtagtta cctactgagt 2940
aggeggegat tittgtatgt tatgaacatg eagtteatta tittgtggtt etattitaet 3000
ttgtacttgt gtttgcttaa acaaagtgac tgtttggctt ataaacacat tgaatgcgct 3060
ttattgccca tgggatatgt ggtgtatatc cttccaaaaa attaaaacga aaataaagta 3120
                                                               3132
gctgcgattg gg
```

```
<210> 321
```

```
ccgcccgcca ccagctacgc cccgtccgac gtgccctcgg gggtcgcgct gttcctcacc 60 atccctttcg ccttcttcct gcccgagctg atatttgggt tcttggtctg gaccatggta 120 gccgccaccc acatagtata ccccttgctg caaggatggg tgatgtatgt ctcgctcacc 180 tcgtttctca tctccttgat gttcctgttg tcttacttgt ttggatttta caaaagattt 240 gaatcctgga gagttctgga cagcctgtac cacgggacca ctggcatcct gtacatgagc 300 gctgccgtcc tacaagtaca tgccacgatt gtttctgaga aactgctgga cccaagaatt 360 tactacatta attcggcagc ctcgttctc gccttcatcg ccacgctgct ctacattct 420 catgccttca gcatctatta ccactgatgc acaggcgcca ggccaagggg gaaatgctct 480 ttgaaagctc caattattgg tccccaaaag cagcttccaa cgtttgccat ctggatgaca 540 aacggaagat ccactaaaac gtccacggga ttaacagaac gtccttgcag actgagcgat 600
```

<sup>&</sup>lt;211> 2280

<sup>&</sup>lt;212> DNA

<sup>&</sup>lt;213> Homo sapiens

```
gacaccacac tttgtttgga catttaaatt cactctgctg aataggagga agcttttctt 660
tttcctggga aaacaactgt ctcttggaat tatctgacca tgaacttgct cttctagaca 720
actcacatca aagccctcac tccactaatg gagaatccta gccccactaa tgccaagtct 780
gtttggggat tttgcctcag ctatgggctt ccctagagta ggtctagggg aatactcagt 840
ctgatctttt ttttgtttgt tttattttgt tttttttgag acggagtctc gctcttcctc 900
caaggetgga gtgeagtgae gegateteea eteaetgeag geteegeete eegggtteee 960
gccattetee tgcctcagee teeegagtag eegggactae aggegeeeae eaccatgeee 1020
ggctaattta gttgtatttt tagtagagat ggggtttcac cgtattagcc aggatggtct 1080
cgatctcctg acctcgtgat ccgcccgcct cggcctccca aagtgctggg attacaggcg 1140
tgagccaccg tgcccggcct gattctctta aaattgaaga ggtgctgcca aggccttcag 1200
atctaacgca gatgcataga ccttgttcct ggtacttgtt cagcctgtgc tggggagccg 1260
tggtcccgag ttccctggga ggctgacagg gtcaagccac cctgcccacc accctcccac 1320
ttcccctccc ctttcctctc cagcattagg attcaaggga aatctgcatg aagccaattt 1380
tgagggtaga cgtgtgggga aaataaatca ttatacagta agacctgggg cttgaggggt 1440
ggggaatggg gagggaaggg catagcctgc tcctccatga gtctgacatc tcggaaactg 1500
agcagctgcc ggacgcctgg gtcaggaatc caagacccca cctcttaagg actggttcct 1560
cagaaagcac cctcagggaa aaaggtgaaa acattacatc cgtggattct cctgccacaa 1620
ccgcattgga agaaaaggct gccgcaacat ctcagcgagg agtgaaggac ccatgtccca 1680
ggaaccgcgc tgcgccacct gcactcaccc ccctcacatt ctcttaagca cccggtggcc 1740
ctccgaggct ggcggaatgg tggtgcccac ggggttgggc aagggctcac caggacctca 1800.
acgggcaaag ttgtgcacac taaaatatca aatcaaggtg cttggtttta aagtaaatgt 1860
ttttctaaag aaagctgtgt tcttctgttg acccagacga atagggcaca gccctgtaac 1920 .
tgcacgtgcc ttctgtcatt gggaatgaaa taaattatta cgagaaaggg acttgtccta 1980 .
actggtttga ggccttacag ttttgtatct acatttttcc cctcctgggg tttgcgggga 2040 💯
cagggacaga actacaggag tcatgggaaa gaaaattctg gcttcactac tgctcactgc 2100
tcactttctg atcactctga tactttttt ttttttttt ttttgcaacc tgataccttg 2160 :
aaaagcttct atgtgtctct ccttttgttg cctggcagct gtctaggatg atcactgatt 2220 .
```

```
<210> 322
<211> 1398
<212> DNA
```

<213> Homo sapiens

```
tagatggcaa cctccctatc tgcccgcagg tcatagaggc gacacgtagc gtcatctgac 60
cctgaagcaa aggcatctcc actccaaagt tagacaaaat gccaggaatg ttcttctctg 120
ctaacccaaa ggaattgaaa ggaaccactc attcacttct agacgacaaa atgcaaaaaa 180
ggaggccaaa gacttttgga atggatatga aagcatacct gagatctatg atcccacatc 240
tggaatctgg aatgaaatct tccaagtcca aggatgtact ttctgctgct gaagtaatgc 300
aatggtctca atctctggaa aaacttcttg ccaaccaaac tggtcaaaat gtctttggaa 360
gtttcctaaa gtctgaattc agtgaggaga atattgagtt ctggctggct tgtgaagact 420
ataagaaaac agagtctgat cttttgccct gtaaagcaga agagatatat aaagcatttg 480
tgcattcaga tgctgctaaa caaatcaata ttgacttccg cactcgagaa tctacagcca 540
agaagattaa agcaccaacc cccacgtgtt ttgatgaagc acaaaaagtc atatatactc 600
ttatggaaaa ggactcttat cccaggttcc tcaaatcaga tatttactta aatcttctaa 660
atgacctgca ggctaatagc ctaaagtgac tggtccctgg ctgaagggaa ttaacagata 720
gtatcaaggc acgaaggaat gtgccagtat ggctccctgg gtgaacagct tggccttttt 780
tgggtgtctt gacaggccaa gaagaacaaa tgactcagaa tggattaaca tgaaagttat 840
ccaggcgcag agttgaagaa gcataagcaa gacaaaaaca gagagaccgc agaaggagga 900
agatactgtg gtactgtcat aaaaaacagt ggagctctgt attagaaagc ccctcagaac 960
```

```
tgggaaggcc aggtaactct agttacacag aaactgtgac taaagtctat gaaactgatt 1020
acaacaggct gtaagaatca aagtcaactg acatctatgc tacatattat tatatagttt 1080
gtactgagct attgaagtcc cattaactta aagtatatgt tttcaaattg ccattgctac 1140
tattgcttgt cggtgtattt tattttattg tttttgactt tggaagagat gaactgtgta 1200
tttaacttaa gctattgctc ttaaaaccag ggatcagaat atatttgtaa gttaaatcat 1260
tggtgctaat aataaatgtg gattttgtat taaaatatat agaagcaatt tctgtttaca 1320
tqtccttqct acttttaaaa acttqcattt attcctcaga ttttaaaaaat aaataaataa 1380
ttcatttaaa aaaaaaaa
<210> 323
<211> 1316
<212> DNA
<213> Homo sapiens
<400> 323
actictacct gctcactcag aatcattict gcaccaacca tggccacgtt tgtggagctc 60
agtaccaaag ccaagatgcc cattgtgggc ctgggcactt ggaagtctcc tcttggcaaa 120
gtgaaagaag cagtgaaggt ggccattgat gcaggatatc ggcacattga ctgtgcctat 180
gtctatcaga atgaacatga agtgggggaa gccatccaag agaagatcca agagaaggct 240
gtgaageggg aggacetgtt categteage aagttgtgge ceaetttett tgagagaeee 300
cttgtgagga aagcctttga gaagaccctc aaggacctga agctgagcta tctggacgtc 360
tatcttattc actqqccaca qqqattcaag tctggggatg accttttccc caaaqatgat 420
aaaggtaatg ccatcggtgg aaaagcaacg ttcttggatg cctgggaggc catggaggag 480
ctggtggatg aggggctggt gaaagccctt ggggtctcca atttcagcca cttccagatc 540
gagaagetet tgaacaaace tggactgaaa tataaaccag tgactaacca ggttgagtgt 600
cacccatacc tcacacagga gaaactgatc cagtactgcc actccaaggg catcaccgtt 660
acggectaca geceectggg eteteeggat agacettggg ecaagecaga agaceettee 720
ctgctggagg atcccaagat taaggagatt gctgcaaagc acaaaaaaac cgcagcccag 780
gttctgatcc gtttccatat ccagaggaat gtgattgtca tccccaagtc tgtgacacca 840
gcacgcattg ttgagaacat tcaggtcttt gactttaaat tgagtgatga ggagatggca 900
accatactca gcttcaacag aaactggagg gcctgtaacg tgttgcaatc ctctcatttg 960
gaagactatc ccttcaatgc agaatattga ggttgaatct cctggtgaga ttatacagga 1020
gattetettt ettegetgaa gtgtgactae etceacteat gteceatttt agecaagett 1080
atttaagatc acagtgaact tagtcctgtt atagacgaga atcgaggtgc tgttttagac 1140
atttatttct qtatqttcaa ctaggatcag aatatcacag aaaagcatgg cttgaataag 1200
gaaatgacaa ttttttccac ttatctgatc agaacaaatg tttattaagc atcagaaact 1260
ctgccaacac tgaggatgta aagatcaata aaacaaataa taatcataaa aaaaaa
<210> 324
<211> 200
<212> PRT
<213> Homo sapiens
<400> 324
Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Thr Ser Ala Tyr
                                     10
Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro
             20
                                 25
                                                     30
```

Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg

40 35 45 Trp Lys Thr Val Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala 50 55 Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro 70 Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro 90 Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys 105 Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly 120 Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr 135 Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr 150 Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala 165 170 175 185 180 Glu Glu Glu Glu Glu Asp Glu 200 195 <210> 325 <211> 263 <212> PRT <213> Homo sapiens <400> 325 Met Phe Arg Asn Gln Tyr Asp Asn Asp Val Thr Val Trp Ser Pro Gln 5 Gly Arg Ile His Gln Ile Glu Tyr Ala Met Glu Ala Val Lys Gln Gly 20 Ser Ala Thr Val Gly Leu Lys Ser Lys Thr His Ala Val Leu Val Ala 40 Leu Lys Arg Ala Gln Ser Glu Leu Ala Ala His Gln Lys Lys Ile Leu

55

His Val Asp Asn His Ile Gly Ile Ser Ile Ala Gly Leu Thr Ala Asp 65 70 75 Ala Arg Leu Leu Cys Asn Phe Met Arg Gln Glu Cys Leu Asp Ser Arg 90 Phe Val Phe Asp Arg Pro Leu Pro Val Ser Arg Leu Val Ser Leu Ile 105 Gly Ser Lys Thr Gln Ile Pro Thr Gln Arg Tyr Gly Arg Arg Pro Tyr 115 120 125 Gly Val Gly Leu Leu Ile Ala Gly Tyr Asp Asp Met Gly Pro His Ile 130 135 Phe Gln Thr Cys Pro Ser Ala Asn Tyr Phe Asp Cys Arg Ala Met Ser 150 155 145 Ile Gly Ala Arg Ser Gln Ser Ala Arg Thr Tyr Leu Glu Arg His Met 170 Ser Glu Phe Met Glu Cys Asn Leu Asn Glu Leu Val Lys His Gly Leu 180 185 Arg Ala Leu Arg Glu Thr Leu Pro Ala Glu Gln Asp Leu Thr Thr Lys 200 Asn Val Ser Ile Gly Ile Val Gly Lys Asp Leu Glu Phe Thr Ile Tyr 215 Asp Asp Asp Val Ser Pro Phe Leu Glu Gly Leu Glu Glu Arg Pro 230 235 240 225 Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu Pro Ala Glu Lys 245 250 Ala Asp Glu Pro Met Glu His 260

<210> 326 <211> 539

<212> PRT

<213> Homo sapiens

<400> 326

Met Pro Glu Asn Val Ala Pro Arg Ser Gly Ala Thr Ala Gly Ala Ala 5 10 15

Gly Gly Arg Gly Lys Gly Ala Tyr Gln Asp Arg Asp Lys Pro Ala Gln 20 25 30

290

Ile Arg Phe Ser Asn Ile Ser Ala Ala Lys Ala Val Ala Asp Ala Ile Arg Thr Ser Leu Gly Pro Lys Gly Met Asp Lys Met Ile Gln Asp Gly 55 Lys Gly Asp Val Thr Ile Thr Asn Asp Gly Ala Thr Ile Leu Lys Gln 65 Met Gln Val Leu His Pro Ala Ala Arg Met Leu Val Glu Leu Ser Lys 85 90 Ala Gln Asp Ile Glu Ala Gly Asp Gly Thr Thr Ser Val Val Ile Ile 105 100 Ala Gly Ser Leu Leu Asp Ser Cys Thr Lys Leu Leu Gln Lys Gly Ile 120 125 His Pro Thr Ile Ile Ser Glu Ser Phe Gln Lys Ala Leu Glu Lys Gly 135 130 Ile Glu Ile Leu Thr Asp Met Ser Arg Pro Val Glu Leu Ser Asp Arg 150 155 Glu Thr Leu Leu Asn Ser Ala Thr Thr Ser Leu Asn Ser Lys Val Val 170 165 Ser Gln Tyr Ser Ser Leu Leu Ser Pro Met Ser Val Asn Ala Val Met 180 185 Lys Val Ile Asp Pro Ala Thr Ala Thr Ser Val Asp Leu Arg Asp Ile 200 205 Lys Ile Val Lys Lys Leu Gly Gly Thr Ile Asp Asp Cys Glu Leu Val 215 Glu Gly Leu Val Leu Thr Gln Lys Val Ser Asn Ser Gly Ile Thr Arg 225 230 Val Glu Lys Ala Lys Ile Gly Leu Ile Gln Phe Cys Leu Ser Ala Pro 245 250 Lys Thr Asp Met Asp Asn Gln Ile Val Val Ser Asp Tyr Ala Gln Met 265 Asp Arg Val Leu Arg Glu Glu Arg Ala Tyr Ile Leu Asn Leu Val Lys 280 Gln Ile Lys Lys Thr Gly Cys Asn Val Leu Leu Ile Gln Lys Ser Ile

295

300

Leu Arg Asp Ala Leu Ser Asp Leu Ala Leu His Phe Leu Asn Lys Met 305 310 315

Lys Ile Met Val Ile Lys Asp Ile Glu Arg Glu Asp Ile Glu Phe Ile 325 330 335

Cys Lys Thr Ile Gly Thr Lys Pro Val Ala His Ile Asp Gln Phe Thr 340 345 350

Ala Asp Met Leu Gly Ser Ala Glu Leu Ala Glu Glu Val Asn Leu Asn 355 360 365

Gly Ser Gly Lys Leu Leu Lys Ile Thr Gly Cys Ala Ser Pro Gly Lys 370 380

Thr Val Thr Ile Val Val Arg Gly Ser Asn Lys Leu Val Ile Glu Glu 385 390 395 400

Ala Glu Arg Ser Ile His Asp Ala Leu Cys Val Ile Arg Cys Leu Val 405 410 415

Lys Lys Arg Ala Leu Ile Ala Gly Gly Gly Ala Pro Glu Ile Glu Leu 420 425 430

Ala Leu Arg Leu Thr Glu Tyr Ser Arg Thr Leu Ser Gly Met Glu Ser 435 440 445

Tyr Cys Val Arg Ala Phe Ala Asp Ala Met Glu Val Ile Pro Ser Thr 450 455 460

Leu Ala Glu Asn Ala Gly Leu Asn Pro Ile Ser Thr Val Thr Glu Leu 465 470 475 480

Arg Asn Arg His Ala Gln Gly Glu Lys Thr Ala Gly Ile Asn Val Arg 485 490 495

Lys Gly Gly Ile Ser Asn Ile Leu Glu Glu Leu Val Val Gln Pro Leu 500 505 510

Leu Val Ser Val Ser Ala Leu Thr Leu Ala Thr Glu Thr Val Arg Ser 515 520 525

Ile Leu Lys Ile Asp Asp Val Val Asn Thr Arg 530 535

<210> 327

<211> 144

<212> PRT

<213> Homo sapiens

<400> 327 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ala Leu Leu Leu 10 Thr Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala Phe Asp 20 25 Glu Leu Lys Thr Asp Tyr Lys Asn Pro Ile Asp Gln Cys Asn Thr Leu Asn Pro Leu Val Leu Pro Glu Tyr Leu Ile His Ala Phe Phe Cys Val 55 Met Phe Leu Cys Ala Ala Glu Trp Leu Thr Leu Gly Leu Asn Met Pro 65 70 Leu Leu Ala Tyr His Ile Trp Arg Tyr Met Ser Arg Pro Val Met Ser 90 Gly Pro Gly Leu Tyr Asp Pro Thr Thr Ile Met Asn Ala Asp Ile Leu 105 Ala Tyr Cys Gln Lys Glu Gly Trp Cys Lys Leu Ala Phe Tyr Leu Leu 125 115 120 Ala Phe Phe Tyr Tyr Leu Tyr Gly Met Ile Tyr Val Leu Val Ser Ser 135 140 130 <210> 328 <211> 138 <212> PRT <213> Homo sapiens <400> 328 Met Pro Asn Phe Ser Gly Asn Trp Lys Ile Ile Arg Ser Glu Asn Phe Glu Glu Leu Lys Val Leu Gly Val Asn Val Met Leu Arg Lys Ile 25 20

Ala Val Ala Ala Ala Ser Lys Pro Ala Val Glu Ile Lys Gln Glu Gly 35

Asp Thr Phe Tyr Ile Lys Thr Ser Thr Thr Val Arg Thr Thr Glu Ile 50

Asn Phe Lys Val Gly Glu Glu Phe Glu Glu Gln Thr Val Asp Gly Arg 70

Pro Cys Lys Ser Leu Val Lys Trp Glu Ser Glu Asn Lys Met Val Cys 85 90 95

Glu Gln Lys Leu Leu Lys Gly Glu Gly Pro Lys Thr Ser Trp Thr Arg 100 105 110

Glu Leu Thr Asn Asp Gly Glu Leu Ile Leu Thr Met Thr Ala Asp Asp 115 120 125

Val Val Cys Thr Arg Val Tyr Val Arg Glu 130 135

<210> 329

<211> 346

<212> PRT

<213> Homo sapiens

<400> 329

Met Phe Leu Ser Ile Leu Val Ala Leu Cys Leu Trp Leu His Leu Ala 5 10 15

Leu Gly Val Arg Gly Ala Pro Cys Glu Ala Val Arg Ile Pro Met Cys
20 25 30

Arg His Met Pro Trp Asn Ile Thr Arg Met Pro Asn His Leu His His 35 40 45

Ser Thr Gln Glu Asn Ala Ile Leu Ala Ile Glu Gln Tyr Glu Glu Leu 50 55 60

Val Asp Val Asn Cys Ser Ala Val Leu Arg Phe Phe Cys Ala Met 65 70 75 80

Tyr Ala Pro Ile Cys Thr Leu Glu Phe Leu His Asp Pro Ile Lys Pro 85 90 95

Cys Lys Ser Val Cys Gln Arg Ala Arg Asp Asp Cys Glu Pro Leu Met 100 105 110

Lys Met Tyr Asn His Ser Trp Pro Glu Ser Leu Ala Cys Asp Glu Leu 115 120 125

Pro Val Tyr Asp Arg Gly Val Cys Ile Ser Pro Glu Ala Ile Val Thr 130 135 140

Asp Leu Pro Glu Asp Val Lys Trp Ile Asp Ile Thr Pro Asp Met Met 145 150 155 160

Val Gln Glu Arg Pro Leu Asp Val Asp Cys Lys Arg Leu Ser Pro Asp 165 170 175 Arg Cys Lys Cys Lys Lys Val Lys Pro Thr Leu Ala Thr Tyr Leu Ser 180

Lys Asn Tyr Ser Tyr Val Ile His Ala Lys Ile Lys Ala Val Gln Arg 200

Ser Gly Cys Asn Glu Val Thr Thr Val Val Asp Val Lys Glu Ile Phe

Ser Gly Cys Asn Glu Val Thr Thr Val Val Asp Val Lys Glu IIe Phe 210 215 220

Lys Ser Ser Ser Pro Ile Pro Arg Thr Gln Val Pro Leu Ile Thr Asn 225 230 235 240

Ser Ser Cys Gln Cys Pro His Ile Leu Pro His Gln Asp Val Leu Ile 245 250 255

Met Cys Tyr Glu Trp Arg Ser Arg Met Met Leu Leu Glu Asn Cys Leu 260 265 270

Val Glu Lys Trp Arg Asp Gln Leu Ser Lys Arg Ser Ile Gln Trp Glu 275 280 285

Glu Arg Leu Gln Glu Gln Arg Arg Thr Val Gln Asp Lys Lys Thr 290 295 300

Ala Gly Arg Thr Ser Arg Ser Asn Pro Pro Lys Pro Lys Gly Lys Pro 305 310 315 320

Pro Ala Pro Lys Pro Ala Ser Pro Lys Lys Asn Ile Lys Thr Arg Ser 325 330 335

Ala Gln Lys Arg Thr Asn Pro Lys Arg Val

<210> 330

<211> 826

<212> PRT

<213> Homo sapiens

<400> 330

Met Glu Gly Ala Gly Gly Ala Asn Asp Lys Lys Lys Ile Ser Ser Glu 5 10 15

Arg Arg Lys Glu Lys Ser Arg Asp Ala Ala Arg Ser Arg Arg Ser Lys
20 25 30

Glu Ser Glu Val Phe Tyr Glu Leu Ala His Gln Leu Pro Leu Pro His 35 40 45

Asn Val Ser Ser His Leu Asp Lys Ala Ser Val Met Arg Leu Thr Ile

	50					55					60				
Ser 65	Tyr	Leu	Arg	Val	Arg 70	Lys	Leu	Leu	Asp	Ala 75	Gly	Asp	Leu	Asp	Ile 80
Glu	Asp	Asp	Met	Lys 85	Ala	Gln	Met	Asn	Cys 90	Phe	Tyr	Leu	Lys	Ala 95	Leu
Asp	Gly	Phe	Val 100	Met	Val	Leu	Thr	Asp 105	Asp	Gly	Asp	Met	Ile 110	Tyr	Ile
Ser	Asp	Asn 115	Val	Asn	Lys	Tyr	Met 120	Gly	Leu	Thr	Gln	Phe 125	Glu	Leu	Thr
Gly	His 130	Ser	Val	Phe	Asp	Phe 135	Thr	His	Pro	Cys	Asp 140	His	Glu	Glu	Met
Arg 145	Glu	Met	Leu	Thr	His 150	Arg	Asn	Gly	Leu	Val 155	Lys	Lys	Gly	Lys	Glu 160
Gln	Asn	Thr	Gln	Arg 165	Ser	Phe	Phe	Leu	Arg 170	Met	Lys	Cys	Thr	Leu 175	Thr
Ser	Arg	Gly	Arg 180	Thr	Met	Asn	Ile	Lys 185	Ser	Ala	Thr	Trp	Lys 190	Val	Leu
His	Cys	Thr 195	Gly	His	Ile	His	Val 200	Tyr	Asp	Thr	Asn	Ser 205	Asn	Gln	Pro
Gln	Cys 210	Gly	Tyr	Lys	Lys	Pro 215	Pro	Met	Thr	Cys	Leu 220	Val	Leu	Ile	Cys
Glu 225	Pro	Ile	Pro	His	Pro 230	Ser	Asn	Ile	Glu	Ile 235	Pro	Leu	Asp	Ser	Lys 240
Thr	Phe	Leu	Ser	Arg 245	His	Ser	Leu	Asp	Met 250	Lys	Phe	Ser	Tyr	Cys 255	Asp
Glu	Arg	Ile	Thr 260	Glu	Leu	Met	Gly	Tyr 265	Glu	Pro	Glu	Glu	Leu 270	Leu	Gly
Arg	Ser	Ile 275	Tyr	Glu	Tyr	Tyr	His 280	Ala	Leu	Asp	Ser	Asp 285	His	Leu	Thr
Lys	Thr 290	His	His	Asp	Met	Phe 295	Thr	Lys	Gly	Gln	Val 300	Thr	Thr	Gly	Gln
Tyr 305	Arg	Met	Leu	Ala	Lys 310	Arg	Gly	Gly	Tyr	Val 315	Trp	Val	Glu	Thr	Gln 320
Ala	Thr	Val	Ile	Tyr	Asn	Thr	Lys	Asn	Ser	Gln	Pro	Gln	Cys	Ile	Val

Cys Val Asn Tyr Val Val Ser Gly Ile Ile Gln His Asp Leu Ile Phe Ser Leu Gln Gln Thr Glu Cys Val Leu Lys Pro Val Glu Ser Ser Asp Met Lys Met Thr Gln Leu Phe Thr Lys Val Glu Ser Glu Asp Thr Ser Ser Leu Phe Asp Lys Leu Lys Lys Glu Pro Asp Ala Leu Thr Leu Leu Ala Pro Ala Ala Gly Asp Thr Ile Ile Ser Leu Asp Phe Gly Ser Asn Asp Thr Glu Thr Asp Asp Gln Gln Leu Glu Glu Val Pro Leu Tyr Asn Asp Val Met Leu Pro Ser Pro Asn Glu Lys Leu Gln Asn Ile Asn Leu Ala Met Ser Pro Leu Pro Thr Ala Glu Thr Pro Lys Pro Leu Arg Ser Ser Ala Asp Pro Ala Leu Asn Gln Glu Val Ala Leu Lys Leu Glu Pro Asn Pro Glu Ser Leu Glu Leu Ser Phe Thr Met Pro Gln Ile Gln Asp Gln Thr Pro Ser Pro Ser Asp Gly Ser Thr Arg Gln Ser Ser Pro Glu Pro Asn Ser Pro Ser Glu Tyr Cys Phe Tyr Val Asp Ser Asp Met Val Asn Glu Phe Lys Leu Glu Leu Val Glu Lys Leu Phe Ala Glu Asp Thr Glu Ala Lys Asn Pro Phe Ser Thr Gln Asp Thr Asp Leu Asp Leu Glu Met Leu Ala Pro Tyr Ile Pro Met Asp Asp Phe Gln Leu Arg Ser Phe Asp Gln Leu Ser Pro Leu Glu Ser Ser Ser Ala Ser Pro Glu Ser Ala Ser Pro Gln Ser Thr Val Thr Val Phe Gln Gln Thr Gln Ile Gln

595 600 605 Glu Pro Thr Ala Asn Ala Thr Thr Thr Thr Ala Thr Thr Asp Glu Leu 620 610 615 Lys Thr Val Thr Lys Asp Arg Met Glu Asp Ile Lys Ile Leu Ile Ala 625 630 635 Ser Pro Ser Pro Thr His Ile His Lys Glu Thr Thr Ser Ala Thr Ser 650 Ser Pro Tyr Arg Asp Thr Gln Ser Arg Thr Ala Ser Pro Asn Arg Ala 665 Gly Lys Gly Val Ile Glu Gln Thr Glu Lys Ser His Pro Arg Ser Pro 675 680 Asn Val Leu Ser Val Ala Leu Ser Gln Arg Thr Thr Val Pro Glu Glu 695 700 Glu Leu Asn Pro Lys Ile Leu Ala Leu Gln Asn Ala Gln Arg Lys Arg 710 715 Lys Met Glu His Asp Gly Ser Leu Phe Gln Ala Val Gly Ile Gly Thr 725 730 735 Leu Leu Gln Gln Pro Asp Asp His Ala Ala Thr Thr Ser Leu Ser Trp 740 745 Lys Arg Val Lys Gly Cys Lys Ser Ser Glu Gln Asn Gly Met Glu Gln Lys Thr Ile Ile Leu Ile Pro Ser Asp Leu Ala Cys Arg Leu Leu Gly 770 775 780 Gln Ser Met Asp Glu Ser Gly Leu Pro Gln Leu Thr Ser Tyr Asp Cys 785 790 795 Glu Val Asn Ala Pro Ile Gln Gly Ser Arg Asn Leu Leu Gln Gly Glu 805 810 815 Glu Leu Leu Arg Ala Leu Asp Gln Val Asn 820 825

<210> 331

<211> 92

<212> PRT

<213> Homo sapiens

<400> 331

Met Ala Tyr Arg Gly Gln Gly Gln Lys Val Gln Lys Val Met Val Gln 5 10 15

Pro Ile Asn Leu Ile Phe Arg Tyr Leu Gln Asn Arg Ser Arg Ile Gln 20 25 30

Val Trp Leu Tyr Glu Gln Val Asn Met Arg Ile Glu Gly Cys Ile Ile 35 40 45

Gly Phe Asp Glu Tyr Met Asn Leu Val Leu Asp Asp Ala Glu Glu Ile 50 55 60

His Ser Lys Thr Lys Ser Arg Lys Gln Leu Gly Arg Ile Met Leu Lys 65 70 75 80

Gly Asp Asn Ile Thr Leu Leu Gln Ser Val Ser Asn 85 90

<210> 332

<211> 235

<212> PRT

<213> Homo sapiens

<400> 332

Met Asp Pro Ala Arg Pro Leu Gly Leu Ser Ile Leu Leu Leu Phe Leu 5 10 15

Thr Glu Ala Ala Leu Gly Asp Ala Ala Gln Glu Pro Thr Gly Asn Asn 20 25 30

Ala Glu Ile Cys Leu Leu Pro Leu Asp Tyr Gly Pro Cys Arg Ala Leu 35 40 45

Leu Leu Arg Tyr Tyr Tyr Asp Arg Tyr Thr Gln Ser Cys Arg Gln Phe 50 55 60

Leu Tyr Gly Gly Cys Glu Gly Asn Ala Asn Asn Phe Tyr Thr Trp Glu 65 70 . 75 80

Ala Cys Asp Asp Ala Cys Trp Arg Ile Glu Lys Val Pro Lys Val Cys
85 90 95

Arg Leu Gln Val Ser Val Asp Asp Gln Cys Glu Gly Ser Thr Glu Lys
100 105 110

Tyr Phe Phe Asn Leu Ser Ser Met Thr Cys Glu Lys Phe Phe Ser Gly 115 120 125

Gly Cys His Arg Asn Arg Ile Glu Asn Arg Phe Pro Asp Glu Ala Thr 130 135 140 Cys Met Gly Phe Cys Ala Pro Lys Lys Ile Pro Ser Phe Cys Tyr Ser 145 150 155 160

Pro Lys Asp Glu Gly Leu Cys Ser Ala Asn Val Thr Arg Tyr Tyr Phe 165 170 175

Asn Pro Arg Tyr Arg Thr Cys Asp Ala Phe Thr Tyr Thr Gly Cys Gly
180 185 190

Gly Asn Asp Asn Asn Phe Val Ser Arg Glu Asp Cys Lys Arg Ala Cys 195 200 205

Ala Lys Ala Leu Lys Lys Lys Lys Met Pro Lys Leu Arg Phe Ala 210 215 220

Ser Arg Ile Arg Lys Ile Arg Lys Lys Gln Phe 225 230 235

<210> 333

<211> 291

<212> PRT

<213> Homo sapiens

<400> 333

Met Gln Arg Ala Arg Pro Thr Leu Trp Ala Ala Ala Leu Thr Leu Leu 5 10 15

Val Leu Leu Arg Gly Pro Pro Val Ala Arg Ala Gly Ala Ser Ser Gly
20 25 30

Gly Leu Gly Pro Val Val Arg Cys Glu Pro Cys Asp Ala Arg Ala Leu 35 40 45

Ala Gln Cys Ala Pro Pro Pro Ala Val Cys Ala Glu Leu Val Arg Glu 50 55 60

Pro Gly Cys Gly Cys Cys Leu Thr Cys Ala Leu Ser Glu Gly Gln Pro 65 70 75 80

Cys Gly Ile Tyr Thr Glu Arg Cys Gly Ser Gly Leu Arg Cys Gln Pro 85 90 95

Ser Pro Asp Glu Ala Arg Pro Leu Gln Ala Leu Leu Asp Gly Arg Gly
100 105 110

Leu Cys Val Asn Ala Ser Ala Val Ser Arg Leu Arg Ala Tyr Leu Leu 115 120 125

Pro Ala Pro Pro Ala Pro Gly Asn Ala Ser Glu Ser Glu Glu Asp Arg 130 135 140

35

50

Ser Ala Gly Ser Val Glu Ser Pro Ser Val Ser Ser Thr His Arg Val 150 155 145 Ser Asp Pro Lys Phe His Pro Leu His Ser Lys Ile Ile Ile Lys 170 165 Lys Gly His Ala Lys Asp Ser Gln Arg Tyr Lys Val Asp Tyr Glu Ser 185 180 Gln Ser Thr Asp Thr Gln Asn Phe Ser Ser Glu Ser Lys Arg Glu Thr 200 Glu Tyr Gly Pro Cys Arg Arg Glu Met Glu Asp Thr Leu Asn His Leu 220 215 Lys Phe Leu Asn Val Leu Ser Pro Arg Gly Val His Ile Pro Asn Cys 235 225 230 Asp Lys Lys Gly Phe Tyr Lys Lys Gln Cys Arg Pro Ser Lys Gly 250 245 Arg Lys Arg Gly Phe Cys Trp Cys Val Asp Lys Tyr Gly Gln Pro Leu 260 265 Pro Gly Tyr Thr Thr Lys Gly Lys Glu Asp Val His Cys Tyr Ser Met 280 Gln Ser Lys 290 <210> 334 <211> 582 <212> PRT <213> Homo sapiens <400> 334 Glu Ser Lys Gly Ala Ser Ser Cys Arg Leu Leu Phe Cys Leu Leu Ile Ser Ala Thr Val Phe Arg Pro Gly Leu Gly Trp Tyr Thr Val Asn Ser 25 Ala Tyr Gly Asp Thr Ile Ile Ile Pro Cys Arg Leu Asp Val Pro Gln

Asn Leu Met Phe Gly Lys Trp Lys Tyr Glu Lys Pro Asp Gly Ser Pro

Val Phe Ile Ala Phe Arg Ser Ser Thr Lys Lys Ser Val Gln Tyr Asp

70 75 80 65 Asp Val Pro Glu Tyr Lys Asp Arg Leu Asn Leu Ser Glu Asn Tyr Thr 90 85 Leu Ser Ile Ser Asn Ala Arg Ile Ser Asp Glu Lys Arg Phe Val Cys 100 105 Met Leu Val Thr Glu Asp Asn Val Phe Glu Ala Pro Thr Ile Val Lys 120 125 Val Phe Lys Gln Pro Ser Lys Pro Glu Ile Val Ser Lys Ala Leu Phe 135 Leu Glu Thr Glu Gln Leu Lys Lys Leu Gly Asp Cys Ile Ser Glu Asp 145 150 Ser Tyr Pro Asp Gly Asn Ile Thr Trp Tyr Arg Asn Gly Lys Val Leu 165 170 His Pro Leu Glu Gly Ala Val Val Ile Ile Phe Lys Lys Glu Met Asp 185 Pro Val Thr Gln Leu Tyr Thr Met Thr Ser Thr Leu Glu Tyr Lys Thr 200 205 195 Thr Lys Ala Asp Ile Gln Met Pro Phe Thr Cys Ser Val Thr Tyr Tyr 210 215 Gly Pro Ser Gly Gln Lys Thr Ile His Ser Glu Gln Ala Val Phe Asp 230 235 Ile Tyr Tyr Pro Thr Glu Gln Val Thr Ile Gln Val Leu Pro Pro Lys 245 250 Asn Ala Ile Lys Glu Gly Asp Asn Ile Thr Leu Lys Cys Leu Gly Asn 260 Gly Asn Pro Pro Pro Glu Glu Phe Leu Phe Tyr Leu Pro Gly Gln Pro 275 280 285 Glu Gly Ile Arg Ser Ser Asn Thr Tyr Thr Leu Thr Asp Val Arg Arg 295 Asn Ala Thr Gly Asp Tyr Lys Cys Ser Leu Ile Asp Lys Lys Ser Met 305 310 Ile Ala Ser Thr Ála Ile Thr Val His Tyr Leu Asp Leu Ser Leu Asn 325 330 Pro Ser Gly Glu Val Thr Arg Gln Ile Gly Asp Ala Leu Pro Val Ser

118

			340					345					350		
Cys	Thr	Ile 355	Ser	Ala	Ser	Arg	Asn 360	Ala	Thr	Val	Val	Trp 365	Met	Lys	Asp
Asn	Ile 370	Arg	Leu	Arg	Ser	Ser 375	Pro	Ser	Phe	Ser	Ser 380	Leu	His	Tyr	Glr
Asp 385	Ala	Gly	Asn	Tyr	Val 390	Cys	Glu	Thr	Ala	Leu 395	Gln	Glu	Val	Glu	Gl <sub>y</sub> 400
Leu	Lys	Lys	Arg	Glu 405	Ser	Leu	Thr	Leu	Ile 410	Val	Glu	Gly	Lys	Pro 415	Glr
Ile	Lys	Met	Thr 420	Lys	Lys	Thr	Asp	Pro 425	Ser	Gly	Leu	Ser	Lys 430	Thr	Ile
Ile	Cys	His 435	Val	Glu	Gly	Phe	Pro 440	Lys	Pro	Ala	Ile	Gln 445	Trp	Thr	Ile
Thr	Gly 450	Ser	Gly	Ser	Val	Ile 455	Asn	Gln	Thr	Glu	Glu 460	Ser	Pro	Tyr	Ile
Asn 465	Gly	Arg	Tyr	Tyr	Ser 470	Lys	Ile	Ile	Ile	Ser 475	Pro	Glu	Glu	Asn	Va]
Thr	Leu	Thr	Cys	Thr 485	Ala	Glu	Asn	Gln	Leu 490	Glu	Arg	Thr		Asn 495	Ser
Leu	Asn	Val	Ser 500	Ala	Ile	Ser	Ile	Pro 505	Glu	His	Asp	Glu	Ala 510	Asp	Glı
Ile	Ser	Asp 515	Glu	Asn	Arg	Glu	Lys 520	Val	Asn	Asp	Gln	Ala 525	Lys	Leu	Il€
Val	Gly 530	Ile	Val	Val	Gly	Leu 535	Leu	Leu	Ala	Ala	Leu 540	Val	Ala	Gly	Val
Val 545	Tyr	Trp	Leu	Tyr	Met 550	Lys	Lys	Ser	Lys	Thr 555	Ala	Ser	Lys	His	Val
Asn	Lys	Asp	Leu	Gly 565	Asn	Met	Glu	Glu	Asn 570	Lys	Lys	Leu	Glu	Glu 575	Asr
Asn	His	Lys	Thr 580	Glu	Ala										

<210> 335 <211> 709

<212> PRT

<213> Homo sapiens

<400> 335

Met Ala Glu Val Glu Asp Gln Ala Ala Arg Asp Met Lys Arg Leu Glu
5 10 15

Glu Lys Asp Lys Glu Arg Lys Asn Val Lys Gly Ile Arg Asp Asp Ile 20 25 30

Glu Glu Glu Asp Asp Gln Glu Ala Tyr Phe Arg Tyr Met Ala Glu Asn 35 40 45

Pro Thr Ala Gly Val Val Glu Glu Glu Glu Asp Asn Leu Glu Tyr 50 55 60

Asp Ser Asp Gly Asn Pro Ile Ala Pro Thr Lys Lys Ile Ile Asp Pro 65 70 75 80

Leu Pro Pro Ile Asp His Ser Glu Ile Asp Tyr Pro Pro Phe Glu Lys
85 90 95

Asn Phe Tyr Asn Glu His Glu Glu Ile Thr Asn Leu Thr Pro Gln Gln 100 105 110

Leu Ile Asp Leu Arg His Lys Leu Asn Leu Arg Val Ser Gly Ala Ala 115 120 125

Pro Pro Arg Pro Gly Ser Ser Phe Ala His Phe Gly Phe Asp Glu Gln 130 135 140

Leu Met His Gln Ile Arg Lys Ser Glu Tyr Thr Gln Pro Thr Pro Ile 145 150 155 160

Gln Cys Gln Gly Val Pro Val Ala Leu Ser Gly Arg Asp Met Ile Gly 165 170 175

Ile Ala Lys Thr Gly Ser Gly Lys Thr Ala Ala Phe Ile Trp Pro Met 180 185 190

Leu Ile His Ile Met Asp Gln Lys Glu Leu Glu Pro Gly Asp Gly Pro
195 200 205

Ile Ala Val Ile Val Cys Pro Thr Arg Glu Leu Cys Gln Gln Ile His 210 215 220

Ala Glu Cys Lys Arg Phe Gly Lys Ala Tyr Asn Leu Arg Ser Val Ala 225 230 235 240

Val Tyr Gly Gly Ser Met Trp Glu Gln Ala Lys Ala Leu Gln Glu 245 250 255 Gly Ala Glu Ile Val Val Cys Thr Pro Gly Arg Leu Ile Asp His Val 260 265 Lys Lys Lys Ala Thr Asn Leu Gln Arg Val Ser Tyr Leu Val Phe Asp 280 Glu Ala Asp Arg Met Phe Asp Met Gly Phe Glu Tyr Gln Val Arg Ser 295 Ile Ala Ser His Val Arg Pro Asp Arg Gln Thr Leu Leu Phe Ser Ala 305 310 315 Thr Phe Arg Lys Lys Ile Glu Lys Leu Ala Arg Asp Ile Leu Ile Asp Pro Ile Arg Val Val Gln Gly Asp Ile Gly Glu Ala Asn Glu Asp Val 345 340 Thr Gln Ile Val Glu Ile Leu His Ser Gly Pro Ser Lys Trp Asn Trp 360 Leu Thr Arg Arg Leu Val Glu Phe Thr Ser Ser Gly Ser Val Leu Leu 375 380 370 Phe Val Thr Lys Lys Ala Asn Ala Glu Glu Leu Ala Asn Asn Leu Lys 390 395 Gln Glu Gly His Asn Leu Gly Leu Leu His Gly Asp Met Asp Gln Ser 410 Glu Arg Asn Lys Val Ile Ser Asp Phe Lys Lys Lys Asp Ile Pro Val 430 420 425 Leu Val Ala Thr Asp Val Ala Ala Arg Gly Leu Asp Ile Pro Ser Ile 435 Lys Thr Val Ile Asn Tyr Asp Val Ala Arg Asp Ile Asp Thr His Thr 455 His Arg Ile Gly Arg Thr Gly Arg Ala Gly Glu Lys Gly Val Ala Tyr 470 475 Thr Leu Leu Thr Pro Lys Asp Ser Asn Phe Ala Gly Asp Leu Val Arg 485 490 Asn Leu Glu Gly Ala Asn Gln His Val Ser Lys Glu Leu Leu Asp Leu 500 505 Ala Met Gln Asn Ala Trp Phe Arg Lys Ser Arg Phe Lys Gly Gly Lys 520 525

Gly Lys Lys Leu Asn Ile Gly Gly Gly Leu Gly Tyr Arg Glu Arg 530 535 540 Pro Gly Leu Gly Ser Glu Asn Met Asp Arg Gly Asn Asn Asn Val Met 550 555 Ser Asn Tyr Glu Ala Tyr Lys Pro Ser Thr Gly Ala Met Gly Asp Arg 570 Leu Thr Ala Met Lys Ala Ala Phe Gln Ser Gln Tyr Lys Ser His Phe 585 Val Ala Ala Ser Leu Ser Asn Gln Lys Ala Gly Ser Ser Ala Ala Gly 600 595 Ala Ser Gly Trp Thr Ser Ala Gly Ser Leu Asn Ser Val Pro Thr Asn 615 620 Ser Ala Gln Gln Gly His Asn Ser Pro Asp Ser Pro Val Thr Ser Ala 635 630 Ala Lys Gly Ile Pro Gly Phe Gly Asn Thr Gly Asn Ile Ser Gly Ala 650 645 Pro Val Thr Tyr Pro Ser Ala Gly Ala Gln Gly Val Asn Asn Thr Ala 660 665 Ser Gly Asn Asn Ser Arg Glu Gly Thr Gly Gly Ser Asn Gly Lys Arg 680 Glu Arg Tyr Thr Glu Asn Arg Gly Ser Ser Pro Ser Gln Ser Arg Arg 695 700 690 Asp Trp Gln Ser Ala 705 <210> 336 <211> 480 <212> PRT <213> Homo sapiens <400> 336 Met Ile Arg Ala Ala Pro Pro Pro Leu Phe Leu Leu Leu Leu Leu Leu Leu Leu Val Ser Trp Ala Ser Arg Gly Glu Ala Ala Pro Asp Gln 25

Asp Glu Ile Gln Arg Leu Pro Gly Leu Ala Lys Gln Pro Ser Phe Arg

40

35

Gln Tyr Ser Gly Tyr Leu Lys Ser Ser Gly Ser Lys His Leu His Tyr Trp Phe Val Glu Ser Gln Lys Asp Pro Glu Asn Ser Pro Val Val Leu 70 75 Trp Leu Asn Gly Gly Pro Gly Cys Ser Ser Leu Asp Gly Leu Leu Thr Glu His Gly Pro Phe Leu Val Gln Pro Asp Gly Val Thr Leu Glu Tyr 100 105 Asn Pro Tyr Ser Trp Asn Leu Ile Ala Asn Val Leu Tyr Leu Glu Ser 120 Pro Ala Gly Val Gly Phe Ser Tyr Ser Asp Asp Lys Phe Tyr Ala Thr 130 135 Asn Asp Thr Glu Val Ala Gln Ser Asn Phe Glu Ala Leu Gln Asp Phe 145 150 155 Phe Arg Leu Phe Pro Glu Tyr Lys Asn Asn Lys Leu Phe Leu Thr Gly 165 Glu Ser Tyr Ala Gly Ile Tyr Ile Pro Thr Leu Ala Val Leu Val Met 180 185 Gln Asp Pro Ser Met Asn Leu Gln Gly Leu Ala Val Gly Asn Gly Leu 195 200 Ser Ser Tyr Glu Gln Asn Asp Asn Ser Leu Val Tyr Phe Ala Tyr Tyr 210 215 220 His Gly Leu Leu Gly Asn Arg Leu Trp Ser Ser Leu Gln Thr His Cys 230 235 Cys Ser Gln Asn Lys Cys Asn Phe Tyr Asp Asn Lys Asp Leu Glu Cys 250 Val Thr Asn Leu Gln Glu Val Ala Arg Ile Val Gly Asn Ser Gly Leu 260 265 Asn Ile Tyr Asn Leu Tyr Ala Pro Cys Ala Gly Gly Val Pro Ser His 280 Phe Arg Tyr Glu Lys Asp Thr Val Val Val Gln Asp Leu Gly Asn Ile 295 300 Phe Thr Arg Leu Pro Leu Lys Arg Met Trp His Gln Ala Leu Leu Arg 305 310 315

Ser Gly Asp Lys Val Arg Met Asp Pro Pro Cys Thr Asn Thr Thr Ala 325 330 335

Ala Ser Thr Tyr Leu Asn Asn Pro Tyr Val Arg Lys Ala Leu Asn Ile 340 345 350

Pro Glu Gln Leu Pro Gln Trp Asp Met Cys Asn Phe Leu Val Asn Leu 355 360 365

Gln Tyr Arg Arg Leu Tyr Arg Ser Met Asn Ser Gln Tyr Leu Lys Leu 370 380

Leu Ser Ser Gln Lys Tyr Gln Ile Leu Leu Tyr Asn Gly Asp Val Asp 385 390 395 400

Met Ala Cys Asn Phe Met Gly Asp Glu Trp Phe Val Asp Ser Leu Asn 405 410 415

Gln Lys Met Glu Val Gln Arg Arg Pro Trp Leu Val Lys Tyr Gly Asp 420 425 430

Ser Gly Glu Gln Ile Ala Gly Phe Val Lys Glu Phe Ser His Ile Ala 435 440 445

Phe Leu Thr Ile Lys Gly Ala Gly His Met Val Pro Thr Asp Lys Pro 450 455 460

Leu Ala Ala Phe Thr Met Phe Ser Arg Phe Leu Asn Lys Gln Pro Tyr 465 470 475 480

<210> 337

<211> 543

<212> PRT

<213> Homo sapiens

<400> 337

Met Ala Ala Ala Lys Ala Glu Met Gln Leu Met Ser Pro Leu Gln Ile
5 10 15

Ser Asp Pro Phe Gly Ser Phe Pro His Ser Pro Thr Met Asp Asn Tyr 20 25 30

Pro Lys Leu Glu Glu Met Met Leu Leu Ser Asn Gly Ala Pro Gln Phe
35 40 45

Leu Gly Ala Ala Gly Ala Pro Glu Gly Ser Gly Ser Asn Ser Ser Ser 50 55 60

Ser Ser Ser Gly Gly Gly Gly Gly Gly Gly Ser Asn Ser Ser

Ser Ser Ser Ser Thr Phe Asn Pro Gln Ala Asp Thr Gly Glu Gln Pro Tyr Glu His Leu Thr Ala Glu Ser Phe Pro Asp Ile Ser Leu Asn Asn Glu Lys Val Leu Val Glu Thr Ser Tyr Pro Ser Gln Thr Thr Arg Leu Pro Pro Ile Thr Tyr Thr Gly Arg Phe Ser Leu Glu Pro Ala Pro Asn Ser Gly Asn Thr Leu Trp Pro Glu Pro Leu Phe Ser Leu Val Ser Gly Leu Val Ser Met Thr Asn Pro Pro Ala Ser Ser Ser Ser Ala Pro Ser Pro Ala Ala Ser Ser Ala Ser Ala Ser Gln Ser Pro Pro Leu Ser Cys Ala Val Pro Ser Asn Asp Ser Ser Pro Ile Tyr Ser Ala Ala Pro Thr Phe Pro Thr Pro Asn Thr Asp Ile Phe Pro Glu Pro Gln Ser Gln Ala Phe Pro Gly Ser Ala Gly Thr Ala Leu Gln Tyr Pro Pro Pro Ala Tyr Pro Ala Ala Lys Gly Gly Phe Gln Val Pro Met Ile Pro Asp Tyr Leu Phe Pro Gln Gln Gly Asp Leu Gly Leu Gly Thr Pro Asp Gln Lys Pro Phe Gln Gly Leu Glu Ser Arg Thr Gln Gln Pro Ser Leu Thr Pro Leu Ser Thr Ile Lys Ala Phe Ala Thr Gln Ser Gly Ser Gln Asp Leu Lys Ala Leu Asn Thr Ser Tyr Gln Ser Gln Leu Ile Lys Pro Ser Arg Met Arg Lys Tyr Pro Asn Arg Pro Ser Lys Thr Pro Pro His Glu Arg Pro Tyr Ala Cys Pro Val Glu Ser Cys Asp Arg Arg Phe Ser Arg Ser

340 345 350 Asp Glu Leu Thr Arg His Ile Arg Ile His Thr Gly Gln Lys Pro Phe 360 355 Gln Cys Arg Ile Cys Met Arg Asn Phe Ser Arg Ser Asp His Leu Thr 370 375 Thr His Ile Arg Thr His Thr Gly Glu Lys Pro Phe Ala Cys Asp Ile 390 395 Cys Gly Arg Lys Phe Ala Arg Ser Asp Glu Arg Lys Arg His Thr Lys 410 405 Ile His Leu Arq Gln Lys Asp Lys Lys Ala Asp Lys Ser Val Val Ala 420 425 Ser Ser Ala Thr Ser Ser Leu Ser Ser Tyr Pro Ser Pro Val Ala Thr 440 Ser Tyr Pro Ser Pro Val Thr Thr Ser Tyr Pro Ser Pro Ala Thr Thr 455 Ser Tyr Pro Ser Pro Val Pro Thr Ser Phe Ser Ser Pro Gly Ser Ser 475 470 480 Thr Tyr Pro Ser Pro Val His Ser Gly Phe Pro Ser Pro Ser Val Ala 485 490 Thr Thr Tyr Ser Ser Val Pro Pro Ala Phe Pro Ala Gln Val Ser Ser 505 Phe Pro Ser Ser Ala Val Thr Asn Ser Phe Ser Ala Ser Thr Gly Leu 515 520 525 Ser Asp Met Thr Ala Thr Phe Ser Pro Arg Thr Ile Glu Ile Cys 535 540 530 <210> 338 <211> 148 <212> PRT <213> Homo sapiens <400> 338 Pro Pro Ala Thr Ser Tyr Ala Pro Ser Asp Val Pro Ser Gly Val Ala 10 Leu Phe Leu Thr Ile Pro Phe Ala Phe Phe Leu Pro Glu Leu Ile Phe

25

20

Gly Phe Leu Val Trp Thr Met Val Ala Ala Thr His Ile Val Tyr Pro 35 40 45

Leu Leu Gln Gly Trp Val Met Tyr Val Ser Leu Thr Ser Phe Leu Ile 50 55 60

Ser Leu Met Phe Leu Leu Ser Tyr Leu Phe Gly Phe Tyr Lys Arg Phe 65 70 75 80

Glu Ser Trp Arg Val Leu Asp Ser Leu Tyr His Gly Thr Thr Gly Ile 85 90 95

Leu Tyr Met Ser Ala Ala Val Leu Gln Val His Ala Thr Ile Val Ser 100 105 110

Glu Lys Leu Leu Asp Pro Arg Ile Tyr Tyr Ile Asn Ser Ala Ala Ser 115 120 125

Phe Phe Ala Phe Ile Ala Thr Leu Leu Tyr Ile Leu His Ala Phe Ser 130 135 140

Ile Tyr Tyr His 145

<210> 339

<211> 196

<212> PRT

<213> Homo sapiens

<400> 339

Met Pro Gly Met Phe Phe Ser Ala Asn Pro Lys Glu Leu Lys Gly Thr
5 10 15

Thr His Ser Leu Leu Asp Asp Lys Met Gln Lys Arg Arg Pro Lys Thr 20 25 30

Phe Gly Met Asp Met Lys Ala Tyr Leu Arg Ser Met Ile Pro His Leu  $35 \hspace{1cm} 40 \hspace{1cm} 45$ 

Glu Ser Gly Met Lys Ser Ser Lys Ser Lys Asp Val Leu Ser Ala Ala 50 55 60

Glu Val Met Gln Trp Ser Gln Ser Leu Glu Lys Leu Leu Ala Asn Gln 65 70 . 75 80

Thr Gly Gln Asn Val Phe Gly Ser Phe Leu Lys Ser Glu Phe Ser Glu 85 90 95

Glu Asn Ile Glu Phe Trp Leu Ala Cys Glu Asp Tyr Lys Lys Thr Glu 100 105 110 Ser Asp Leu Leu Pro Cys Lys Ala Glu Glu Ile Tyr Lys Ala Phe Val 115 120 125

His Ser Asp Ala Ala Lys Gln Ile Asn Ile Asp Phe Arg Thr Arg Glu 130 135 140

Ser Thr Ala Lys Lys Ile Lys Ala Pro Thr Pro Thr Cys Phe Asp Glu 145 150 155 160

Ala Gln Lys Val Ile Tyr Thr Leu Met Glu Lys Asp Ser Tyr Pro Arg 165 170 175

Phe Leu Lys Ser Asp Ile Tyr Leu Asn Leu Leu Asn Asp Leu Gln Ala 180 185 190

Asn Ser Leu Lys 195

<210> 340

<211> 316

<212> PRT

<213> Homo sapiens

<400> 340

Met Ala Thr Phe Val Glu Leu Ser Thr Lys Ala Lys Met Pro Ile Val 5 10 15

Gly Leu Gly Thr Trp Lys Ser Pro Leu Gly Lys Val Lys Glu Ala Val 20 25 30

Lys Val Ala Ile Asp Ala Gly Tyr Arg His Ile Asp Cys Ala Tyr Val 35 40 45

Tyr Gln Asn Glu His Glu Val Gly Glu Ala Ile Gln Glu Lys Ile Gln 50 55 60

Glu Lys Ala Val Lys Arg Glu Asp Leu Phe Ile Val Ser Lys Leu Trp 65 70 75 80

Pro Thr Phe Phe Glu Arg Pro Leu Val Arg Lys Ala Phe Glu Lys Thr 85 90 95

Leu Lys Asp Leu Lys Leu Ser Tyr Leu Asp Val Tyr Leu Ile His Trp
100 105 110

Pro Gln Gly Phe Lys Ser Gly Asp Asp Leu Phe Pro Lys Asp Asp Lys
115 120 125

Gly Asn Ala Ile Gly Gly Lys Ala Thr Phe Leu Asp Ala Trp Glu Ala

140 130 135 Met Glu Glu Leu Val Asp Glu Gly Leu Val Lys Ala Leu Gly Val Ser 160 150 155 Asn Phe Ser His Phe Gln Ile Glu Lys Leu Leu Asn Lys Pro Gly Leu 165 170 Lys Tyr Lys Pro Val Thr Asn Gln Val Glu Cys His Pro Tyr Leu Thr 180 185 190 Gln Glu Lys Leu Ile Gln Tyr Cys His Ser Lys Gly Ile Thr Val Thr 200 Ala Tyr Ser Pro Leu Gly Ser Pro Asp Arg Pro Trp Ala Lys Pro Glu 215 210 Asp Pro Ser Leu Leu Glu Asp Pro Lys Ile Lys Glu Ile Ala Ala Lys 230 235 His Lys Lys Thr Ala Ala Gln Val Leu Ile Arg Phe His Ile Gln Arg 245 250 Asn Val Ile Val Ile Pro Lys Ser Val Thr Pro Ala Arg Ile Val Glu 270 260 265 Asn Ile Gln Val Phe Asp Phe Lys Leu Ser Asp Glu Glu Met Ala Thr 275 280 Ile Leu Ser Phe Asn Arg Asn Trp Arg Ala Cys Asn Val Leu Gln Ser 295 Ser His Leu Glu Asp Tyr Pro Phe Asn Ala Glu Tyr 305 310 315 <210> 341 <211> 422 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(422) <223> n = A, T, C or G<400> 341 qatganattn ttncnagaga gaggaagang ctattcagtt ggatgggatt aaatgcatca 60 120 caaataagag aacttagaga gaagtcggaa aagtttgcct tccaagcccg aagttaacag aatgatgaaa cttatcatca attcattgta taaaaataaa gagattttcc tgagagaact 180 gatttcaaat gcttctgatg ctttagataa gataaggcta atatcactga ctgatgaaaa 240 300 tqctctttct ggaaatgagg aactaacagt caaaattaag tgtgataagg agaagacctg

	ctgcatgtca cagacaccgg tgtaggaatg accagagaag agttggttaa aaaccttggt accatagcca aatctgggac aagcgagttt ttaaacaaaa tgactgaagc acaggaagat gg	360 420 422
	<210> 342 <211> 472 <212> DNA <213> Homo sapien	
	<220> <221> misc_feature <222> (1)(472) <223> n = A,T,C or G	
•	<pre>c400&gt; 342  ctggagaagg tgtgcagggg aaaccctgct gatgtcaccg aggccaggtt gtcttctac tcgggacact cttcctttgg gatgtactgc atggtgttct tggcgctgna tgtgcaggca cgactctgtt ggaagtgggc acggctgctg cgacccacag tccagttctt cctggtggcc tttgccctct acgtgggcta cacccgcgtg tctgattaca aacaccactg gagcgatgtc cttgttggcc tcctgcaggg ggcactggtg gctgccctca ctgtctgcta catctcagac ttcctcaaag cccgacccc acagcactgt ctgaaggagg aggagctgga acggaagccc agcctgtcac tgacgttgac cctgggcgag gctgaccaca accactatgg atacccgcac tcctcctcct gaggccggac cccgccagg cagggagcta ctgtgagtcc ag</pre>	60 120 180 240 300 360 420 472
	<210> 343 <211> 139 <212> DNA <213> Homo sapien	
	<pre>&lt;400&gt; 343 gtcctgggcc ttccccttcc ctcaagccag ggctcctcct cctgtcgtgg gctcattgtg accactggcc tctctacagc acggcctgtg gcctgttcaa ggcagaacca cgacccttga ctcccgggtg gggaggtgg</pre>	60 120 139
	<210> 344 <211> 235 <212> DNA <213> Homo sapien	
	<pre>&lt;400&gt; 344  ctgcgggctc agcacagtag acatgactgg gatccccacc ttggacaacc tccagaaggg agtccaattt gctctcaagt accagtcgct gggccagtgt gtttacgtgc attgtaaggc tgggcgctcc aggagtgcca ctatggtggc agcatacctg attcaggtgc acaaatggag tccagaggag gctgtaagag ccatcgccaa gatccggtca tacatccaca tcagg</pre>	60 120 180 235
	<210> 345 <211> 458 <212> DNA <213> Homo sapien	
	<400> 345	

ctgtaaggtg ctattcagtc ctgtgaccct ctgttttgtg acttcctggg aaaccgccta cataggacac cagttttgac ttaacctaac caggtattga gcagtttctt ggccaatggc gattttattg gttttaagtg gggaagtaat gagttcttctt ggtggctcct cttggccctc aaggcaagga atggcctctc cctccacaga gccatcccag ttcctcttca aagccaaaca g	ctttggtgtg aggcagtttt ctgagaaacc cccatgtact ccctctttct ggcaacggct	gtgtcacctt tatctctagc acctgtccct tatttcttaa cccccaaccc	gagctgtgca tttttcaagc gtcaaggggt atacctagga accatcctgc	60 120 180 240 300 360 420 458
<210> 346 <211> 525 <212> DNA <213> Homo sapien				
<221> misc_feature <222> (1)(525) <223> n = A,T,C or G				
<pre>&lt;400&gt; 346 ccagagcaca acgcctcacc atggactgga ccacaggtgt ccactccaa gcccaacttg tgggcctcagt gactatttct tgtaaggctt cattgggtgcg ccaggcccc cccggacaaa gcattgatac cgttaaatat tcacagaagt tcatccgcgac cacagnctac ctgnanntga gattactgtgc gagacttang gcccgttcgc tcggggccaa gggacagtgg tcaccgtctc tccccctctt cctgtgaaga attccccgnc gagacagtag</pre>	tgcagtctgg ctggatatat gacctgaatg ttcaggacag gtagcctgga tgtggtggga ttcanggagt	ggctgaggag ncttactaaa ggtgggatgg agtctccatt atccgaagac cttaatgacg gcattcgccc	aagaagcctg tatactttac atcaacactg acctgggact acggctgtgt cttttgacat	60 120 180 240 300 360 420 480 525
<210> 347 <211> 423 <212> DNA <213> Homo sapien				
<pre>&lt;400&gt; 347 ccagacgctg acttgtttct gagtccttaa g cagtcttgct cttcacctct aagccaatgt t tccggaagtc atcctcacgg aactgtcgag a cgcccggtgt gatggcactt cggtctccag g caagctctag cacccgctca gcccgagctc g gcaccaggtg gttgtcagta ccacctgata c ttgccatggc ccgagcattc ttcagaacct g agg</pre>	tgaccccttc aagttaaggc gacaggtgtt catccaggcc ccagtgagta	atctataaag tggggccca cttgttggca cttgggccgc gcctcgctct	tccacaactc agccgcaggc gtgatggata aggtccacca agcagggcat	60 120 180 240 300 360 420 423
<210> 348 <211> 513 <212> DNA <213> Homo sapien				
<400> 348				

	60 120 180
	240
	300
ctggtaaaaa tccagggaga aaatgtttca ccttcagctc attcccaagt ctctatgaag	360
cccgccccac ttccacatag gggaactgtg gctctggggg cagcctctgc agctactcag	120
	180
aatagctgga gatgggagct gcagggggct cag	513
210. 240	
<210> 349 <211> 231	
<212> DNA	
<213> Homo sapien	
<400> 349	
ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg	60
	L20
	L80
atatggactc tagagtagga ttgcgctgtt atccctaggg taacttgttc c	231
<210> 350	
<211> 341	
<212> DNA	
<213> Homo sapien	
<400> 350	
ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga	60
	120
	180
	240 300 -
	341
gracereda guadecadar arredaguada cadaceacea a	
<210> 351	
<211> 256	
<212> DNA	
<213> Homo sapien	
<400> 351	60
ggcgttgggg acggttgtag gacgtggctc tttattcgtg agttttccat ttacctccgc tgaacctaga gcttcagacg ccctatggcg tccgcctcga cccaaccggc ggccttgagc 1	60 20
	.80
	240
	256
<210> 352	
<211> 368	
<212> DNA	
<213> Homo sapien	

```
<220>
      <221> misc_feature
      <222> (1)...(368)
      <223> n = A, T, C or G
      <400> 352
cctttcttgt aagtgaagaa naaggaatgc agcaaagaag agttcgacat tggagtcctt
                                                                        60
                                                                       120
agttccatca ggatcccatt cgcagccttt agcatcatgt agaagcaaac tgcacctatg
gctgagatag gtgcaatgac ctacaagatt ttgtgttttc tagctgtcca ggaaaagcca
                                                                       180
tcttcagtct tgctgacagt caaagagcaa gtgaaaccat ttccagccta aactacataa
                                                                       240
aagcagccga accaatgatt aaagacctct aaggctccat aatcatcatt aaatatgccc
                                                                       300
aaactcattg tgacttttta ttttatatac aggattaaaa tcaacattaa atcatcttat
                                                                       360
                                                                       368
ttacatgg
      <210> 353
      <211> 368
      <212> DNA
      <213> Homo sapien
     <400> 353
                                                                        60
ctgaggggtg gcagtaagca atgaggatgg gctataaagc tgttaactgg ctaagggcca
tccttgggca ggcatttcag acacatctgt agagagggca gtagcatctc cgataggcca
                                                                       120
gctctgaagg aagcttaatg cttaatacag tcacactgca taaattagct tagaatgctc
                                                                       180
tcttgggtaa aaaatattaa tagtgtatat gcacttgaag agcaaaattc ctcaagaaaa
                                                                       240
                                                                       300
aaagtttaat agcaaggagt ttccatcagt cccggtcttt gtgaggatta ccacaacaaa
cacttaaaag gatacaacag gtacttatta aatgctgcct tgccttttac ctcttccttt
                                                                       360
ttttttt
                                                                       368
     <210> 354
     <211> 380
      <212> DNA
     <213> Homo sapien
     <400> 354
ccatggcttc tcacccagac agtctttctg ggcaacttgg ggaagcccct gttctgctca
                                                                        60
agtctcaccc catggaagag gtgggggaag ggggccttgg tttttcagga agacaggttg
                                                                       120
                                                                       180
gagagcacga gtcactacaa agcagtaaaa gtgaatggtg tctccagggg ctgggtccag
aacaccacgg agagccccag ccataaaggt gtgttccgcc tctggcctgc aggaatctct
                                                                       240
ttgaatetet ttgattggtg getecaagag caatgggaag teaacageea ggaggetgga
                                                                       300
                                                                       360
ctgggttccc tgggaccccg aggtcccaga gctgctgggc agtggttgtc ggcaaagaag
                                                                       380
aaaggtccaa gagggtcagg
     <210> 355
      <211> 347
     <212> DNA
     <213> Homo sapien
      <400> 355
ccagtggagg ggtgggggta tcgatcccgc cgggggctgg cttggttgct ggtgccctga
                                                                        60
gcccttctct gcccgcctgg gtgttgcctt cactgatgga ggtaggcgtc cagccagatg
                                                                       120
tcaccagact tcttcgggga cctgacgatg tccaccagcg cggtgaggaa gggcttcact
                                                                       180
```

togtagotga ggoogtgott ggoacacago gaottgacoa goggggocao coggotgtag ttgtgtotog goatootggg gaagaggtgg tgotogatot ggaagttgag gtgoocgotg aaccagttgg tgaaaagtga gggotocaog ttgoaggtgg otgooag	
<pre>&lt;210&gt; 356     &lt;211&gt; 157     &lt;212&gt; DNA     &lt;213&gt; Homo sapien</pre>	347
<400> 356 cctggagctg ctgaagactg ctattgggaa agctggctac actgataagg tggtcatcgg catggacgta gcggcctccg agttcttcag gtctgggaag tatgacctgg acttcaagt tcccgatgac cccagcaggt acatctcgcc tgaccag	
<210> 357 <211> 323 <212> DNA <213> Homo sapien	
<400> 357 ccatacaggg ctgttgccca ggccctagag gtcactcctc gtaccctgat ccagaactgt ggggccagca ccatccgtct acttacctcc cttcgggcca agcacaccca ggagaactgt gagacctggg gtgtaaatgg tgagacgggt actttggtgg acatgaagga actgggcatatgggagccat tggctgtgaa gctgcagact tataagacag cagtggagac ggcagttctgctactgcgaa ttgatgacat cgtttcaggc cacaaaaaga aaggcgatga ccagagccggcaaggcgggg ctcctgatgc tgg	120 a 180 g 240
<210> 358 <211> 555 <212> DNA <213> Homo sapien	
<400> 358 aaaaggtttc taaaacatga cggaggttga gatgaagctt cttcatggag taaaaaaatgta atttaaaaga aaattgagag aaaggactac agagccccga gttaatacca atagaaggga aatgctttta gattaaaatg aaggtgactt aaacagctta aagtttagtt taaaagttgta aggtgattaa aataatttga aggcgatctt ttaaaaagag attaaaccga aggtgattaa aagaccttga aatccatgac gcagggagaa ttgcgtcatt taaagcctag ttaacgcatt tactaaacgc agacgaaaat ggaaagatta attgggagtg gtaggatgaa acaatttggaagaaataagaa gtttgaagtg gaaaactgga agacagaagt acgggaaggc gaagaaaagaa	120 180 240 2300 360 420 480
<210> 359 <211> 549 <212> DNA <213> Homo sapien	
<400> 359 ctgccaggct gaaaagaagc ctcagctccc acaccgccct cctcaccgcc cttcctcggc	e 60

atctgcagca g 311  <210> 362 <211> 496 <212> DNA <213> Homo sapien  <220> <221> misc_feature <222> (1)(496) <223> n = A,T,C or G  <400> 362 ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac		
<pre>&lt;211&gt; 289</pre>	tcaaccacag tctgacacca gagcccactt ccatcctct tggtgtgagg cacagcgagg gcagcatctg gaggagctct gcagcctcca cacctaccac gacctcccag ggctgggctc aggaaaaacc agccactgct ttacaggaca gggggttgaa gctgagcccc gcctcacacc caccccatg cactcaaaga ttggatttta cagctacttg caattcaaaa ttcagaagaa taaaaaatgg gaacatacag aactctaaaa gatagacatc agaaattgtt aagttaagct ttttcaaaaa atcagcaatt ccccagcgta gtcaagggtg gacactgcac gctctggcat gatgggatgg	180 240 300 360 420 480 540
tttaaatttt actagtgtta cttaatgtat attctaaaaa gagaatgcag taactaatgc ctcaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttatttttt ctgtaaagta 120 taatatataa aacttcttgc ttaaattgaa tttctaatat agtggttaat tgcagtttat 180 taaagggatc attatcagta atttcatatgc aactgtcta gtgttttgtg tttttaaaac 240 agaattagga atttgagata tctgattata ttttcatat gaatcacag 289   <210> 361	<211> 289 <212> DNA	
<pre>&lt;211&gt; 311</pre>	tttaaatttt actagtgtta cttaatgtat attctaaaaa gagaatgcag taactaatgc cctaaatgtt tgatctctgt ttgtcattac tttttcaaaa ttatttttt ctgtaaagta taatatata aacttcttgc ttaaattgaa ttctatatt agtggttaat tgcagtttat taaagggatc attatcagta atttcatagc aactgttcta gtgttttgtg tttttaaaac	120 180 240
ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt 60 gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat 120 ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg 180 ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag 240 gccaagaaat gagctgctcc agcttctcaa gagcacagca gcctccagg gcctgtcagc 300-atctgcagca g	<211> 311 <212> DNA	
<pre>&lt;211&gt; 496 &lt;212&gt; DNA &lt;213&gt; Homo sapien  &lt;220&gt;</pre>	ctgttcagta tggcaaaggg cagacttact ccttcatcca ctctgctgcc ttgatgaggt gaacacactg gaataagatg gagggcagga tacctgccaa agcctgagga atgagatgat ctgaaacaat tgggcaaagg ctggacattt caaaaagctg acttccaact gcagtttatg ggtatagaat ttgatgcttc cctcaagtcc tgactgctct ttctgaggca gccaggctag gccaagaaat gagctgctcc agcttctcca gagcacagca gcctcccagg gcctgtcagc	120 180 240 300
<pre>&lt;221&gt; misc_feature &lt;222&gt; (1)(496) &lt;223&gt; n = A,T,C or G  &lt;400&gt; 362 ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac</pre>	<211> 496 <212> DNA	
ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac	<221> misc_feature <222> (1)(496)	
aactotgaga tgaacaatat gtgttatact cagagattaa caatotcaat catacatact 120 gattotttoa gacatttaat aaccactaca tttttttgca ttaatgaagt ttgactatat 180 gtgtaaaggg actaaatatt tttgcaacag cotgttottt gttoattott ttotggatag 240 cgtgtootot gtattgcggt agatttatac attotgttgo otaaatatgt gtgtaaaatg 300	ccagtttcta aaanaatgca catttaaaga gaagcatcta ccacggcttt aaaacaaaac	120 180 240

```
agctgataaa ctggagtact acttaaaaaa aagtctgtga tttataagat gcatatgctt
                                                                        360
tctatgtgaa tataagcttg tgcacaatgt ttaaaagaaa aacaatgaat tagaagagat
                                                                        420
cccccgtccc ccagtctgac atatttcata cagaatgttt aaaagaaaaa ctctgctagt
                                                                        480
                                                                        496
cttggcaaac atttgg
      <210> 363
      <211> 673
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1) ... (673)
      <223> n = A, T, C or G
      <400> 363
ccaagaggga gataanacaa acttctcaaa caaaaagaaa agaaaaacga atgattcatc
                                                                         60
tgctttaatc agtgtgatta atgcagcacc cattgccccg ggaaccgttt ctgctgtact
                                                                        120
atctggatac taaaatgtta cggaagtagc tctttgttct ccctcactct gcccttagtt
                                                                        180
                                                                        240
aatagaaatt cagactcgcc aagtaaggct ttgtgcatag tgtcttcatg tcgcgtatag
                                                                        300
ttgagcgcgt tcttagcagt tggcttcatg gacagctcat tagtgttttg acttttctta
                                                                        360
cccagcgtta attgaattct tgcttttaga caacttcctt tttgtagtgg tgaaccttgc
cctttagtac agttcaagtg aatctggata attgttcatc tttgctttag cttagatacc
                                                                        420.
atgtagtggt ctgtggctac aggaagctgg ttctgtctgc ttccacagtc tgcttaaaaa
                                                                        480
actqtctqac ttcqtgaata tagagaccaa gtttaccact tctgatgaag agaccaatta
                                                                        540
                                                                        600
agattcattc ctcattctgt ttctttccag tgggagaaga gtccccatga aataagatga
                                                                        660
aactgattcc atgcactagt acatgtaggc ttctcccttg cgcaaagctt aacaatttgt
                                                                        673
aggaaacttt ggg
      <210> 364
      <211> 495
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(495)
      <223> n = A, T, C \text{ or } G
      <400> 364
ccaaatgttt gcncaagact agcagagttt ttcttttaaa cattctgtat gaaatatgtc
                                                                         60
agactggggg acgggggatc tcttctaatt cattgttttt cttttaaaca ttgtgcacaa
                                                                        120
gcttatattc acatagaaag catatacatc ttataaatca cagacttttt tttaagtagt
                                                                        180
actccagttt atcagctcat tttacacaca tatttaggca acagaatgta taaatctacc
                                                                        240
                                                                        300
gcaatacaga ggacacacta tccagaaaaag aatgaacaaa gaacaggctg ttgcaaaaaat
atttagtccc tttacacata tagtcaaact tcattaatgc aaaaaatgta gtggttatta
                                                                        360
aatgtctgaa agaatcagta tgtatgattg agattgttaa tctctgagta taacacatat
                                                                        420
tgttcatctc agagttgttt tgttttaaag ccgtggtaga tgcttctctt taaatgtgca
                                                                        480
                                                                        495
ttttttagaa actgg
```

<211> 291 <212> DNA <213> Homo sapien	
aactgacaag cccttgcgcc tgcctctcca ggatgtctac aaaattggtg gtattggtac tgttcctgtt ggcccgagtg gagactggtg ttctcaaacc cggtatggtg gtcacctttg ctccagtcaa cgttacaacg gaagtaaaat ctgtcgaaat gcaccatgaa gctttgagtg aagctcttcc tggggacaat gtgggcttca atgtcaagaa tgtgtctgtc aaggatgttc gtcgtggcaa cgttgctggt gacagcaaaa atgacccacc aatggaagca g	60 120 180 240 291
<210> 366 <211> 277 <212> DNA <213> Homo sapien	
<400> 366 ctggatggtg cctcagaagg tgcattctgc ttctgcaggg gcttgaaaca ccaaggcact ccagggatcc tggagtcaaa gcagcagcc cggttgttgc actccttggg ggtgacatgg gggtagcccg cagtccaccc tgtccttggc tggcacggca cactggtttg cagacaggcc cacgtactcc tcagcagagc tggaggacaa gcaaggccag gaccagcccc agcatgcaga gcgctctggc agccatgacc accgtggct ccgggac	60 120 180 240 277
<210> 367 <211> 311 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 367 ccagagctgc ggggcctcag tacacggagc tgttccggat gccacagcac agcaccatgc tcaggatcat ctcgaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt acagcttccc ggagaagagg tcatcgatct tctggtggca gtcctccttg aagaggttgc tgatgatgtt gctgcccgag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg cgttgttggc g</pre>	60 120 180 240 300 311
<210> 368 <211> 384 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 368  ccaaaggggt ctctagctgc tgctctgctg ctcctgctca tggatgagtt tggcgatggg gccggtgatg ccgcctatca aggtccagta ctcatcgaag ctgatgcgcc catcaggatt ggcatccagg ttctggatga gcttatccgc agccttccgg ttccctgtgt ccgacagcat gtggttcagc tctttctgga gcatctcgcg gaagctgctc ttgctgatct tgttcttgac caggctgtac ctagacacat atttgtagaa gttttccacc aggacaatga ctgccttctc cagctccgtg tagcaagtct gacatctccc tgcttcgcct gctggcgggg cctaaggcgg gggccaagcc cagttacagc ccag</pre>	60 120 180 240 300 360 384

```
<211> 216
      <212> DNA
      <213> Homo sapien
     <400> 369
                                                                     60
ccaagtgcca ggtggctttc agcagcttcc tacgatcagc cgaagaaagc agaagctctg
gaggctgcca tcgagaacct caatgaagcc aagaactatt ttgcaaaggt tgactgcaaa
                                                                    120
                                                                    180
gagcgcatca gggacgtcgt ttacttccag gccagactct accataccct ggggaagacc
                                                                    216
caggagagga accggtgtgc gatgctcttc cggcag
     <210> 370
     <211> 561
      <212> DNA
     <213> Homo sapien
     <400> 370
ctggctcctt cttttgtggt cgtttggggg atgggctggt ttggggttta ggtgcagaga
                                                                     60
                                                                    120
tetteatgte ateagataea tgttteaggg catgtgtaat geteteece tgattaatet
                                                                    180
gcgcgaacag tgctgagcgg gaagcagact catctgagcc tgaactggta gagactgggg
                                                                    240
                                                                    300
gaggagggg gcctggtgga gggggaggag gacctgatcc ggcagagggt ccagatggca
gtccgctcag ttcttttgcc acaggccccg ttttgctcca ggccagtccg gtggtatgga
                                                                    360
                                                                    420
actccttaat gtaagcctgc agctctgtcc atatacttaa ataagctttg acccagtcta
catgettett atccacatet ttgtactett tgaggaeteg gtttgtataa aacatggegg
                                                                    480
catcattcat ttctttcgca taagggccag gcttgggagc catagccacc cagcccaggg
                                                                    540
                                                                    561
cctggatact ttcgctgaca g
     <210> 371
     <211> 518
     <212> DNA
    . <213> Homo sapien
     <400> 371
                                                                     60 💀
cccacttcca tcgctctctg gtgtgaggca cagcgagggc agcatctgga ggagctctgc
agcetecaca cetaceacga ceteceaggg etgggeteag gaaaaaceag ceactgettt
                                                                    120
acaggacagg gggttgaagc tgagccccgc ctcacaccca cccccatgca ctcaaagatt
                                                                    180
                                                                    240
ggattttaca gctacttgca attcaaaatt cagaagaata aaaaatggga acatacagaa
ctctaaaaga tagacatcag aaattgttaa gttaagcttt ttcaaaaaaat cagcaattcc
                                                                    300
ccagcgtagt caagggtgga cactgcacgc tctggcatga tgggatggcg accgggcaag
                                                                    360
                                                                    420
ctttcttcct cgagatgctc tgctgcttga gagctattgc tttgttaaga tataaaaagg
ggtttctttt tgtctttctg taaggtggac ttccagcttt tgattgaaag tcctagggtg
                                                                    480
attctatttc tgctgtgatt tatctgctga aagctcag
                                                                    518
     <210> 372
     <211> 335
     <212> DNA
     <213> Homo sapien
     <400> 372
                                                                     60
ctggaggctg ggtgcaccct gcccagatcc acacctgtac cccggcggaa aggctcatgg
gcattgaaga cggtggtgaa aaagccaaag ggaaaagcac caacaccaaa tgagaagtgg
                                                                    120
```

aagcccccgg tatcaccaaa tggctggaat ccccctctgc tctccggagc tggtctctgg ccctgggggc ggggtggagt ttttaatctg ggatcctggg gcttctggct ccctcgccca taaagcggga caaccttctc tctgctgatc ccagctttac atactggaca ctcttgccgt tctggccgtg tctccagcca ctgatgaaga catgg	180 240 300 335
<210> 373 <211> 467 <212> DNA <213> Homo sapien	
<400> 373 ccactagctg aatcttgaca tggaaggttt tagctaatgc caagtggaga tgcagaaaat gctaagttga cttaggggct gtgcacagga actaaaaggc aggaaagtac taaatattgc tgagagcatc caccccagga aggactttac cttccaggag ctccaaactg gcaccacccc cagtgctcac atggctgact ttatcctccg tgttccattt ggcacagcaa gtggcagtgt ctccaccacc tatgatggtg atgcagccc tagaagtggc tttcaccacc tcatccatga gagctttggt tccccgggca aaagcttccc attcaaatac ccccacagga ccattccaca caatctgctt agcccgagtg acagcctcag catacttctt gctgctttca ggaccacagt ccaagccat ccaagcccat ccagccagca ggtacgccag aagccacagt ggcttgg	60 120 180 240 300 360 420
<210> 374	
<pre>&lt;400&gt; 374  tttccgtaaa agcgtgtaac aagggtgtaa atatttataa ttttttatac ctgttgtgag acccgagggg cggcggcgc gtttttatg gtgacacaaa tgtatatttt gctaacagca attccaggct cagtattgtg accgcggagc cacaggggac cccacgcaca ttccgttgcc ttacccgatg gcttgtgacg cggagagaac cgattaaaac cgtttgagaa actcctccct tgtctagccc tgtgttcgct gtggacgctg tagaggcagg ttgg</pre>	60 120 180 240 284
<210> 375 <211> 307 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 375 cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat ttgatgactt ccgagaagca tattattggc tccgtcataa tactccagag gatgcgaagg tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag tggacaataa cacatggaat aatacccata tttctcgagt agggcaggca atggcgtcca cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt ttggagg</pre>	60 120 180 240 300 307
<210> 376 <211> 650 <212> DNA <213> Homo sapien	
<220>	

```
<221> misc_feature
      <222> (1)...(650)
      <223> n = A,T,C or G
      <400> 376
ccattgnctn ctnacgtgat gtcatcatct gccaggtcat cttggcaaaa gtcggagcat
                                                                         60
ttctcagtca ctgcaaagta gcccttctcg ttggagcacc ggaagagacg tgtgtgtttc
                                                                        120
atgtactcgg catcgtcatc atagggcttc tgtgccccaa tgcccaccca gaagaagttc
                                                                        180
                                                                        240
traggetect cacettegtt gataacetge ttgetgtagg aggtgtcaaa catggtgtte
aggatgtett etgecaactt ggettegtea gggtetgatg eeeggeeeac eeaggeatae
                                                                        300
acgatgccct ggttgtcctc actctcaaag ggaaccttga ggatgaagca gaactcggag
                                                                        360
                                                                        420
ttgaggagge tggagteggt gttgatetgg atgeaeeggg tgeagaggge getgeegttg
gtgcggatct ggtagaggct gggctgttgg gcgccctgga ccgccttcct cttgccccgg
                                                                        480
tggatgatga acttectett gaaatgggae aggaaettgg ggtteteetg etgetgegte
                                                                        540
                                                                        600
atgcgtacca cctccagctt cccagggaag aggctctcga acttcttttg caggctgaag
gtgaaggtga cccacccata ttgggaggct ttcacggccc tgccagaagt
                                                                        650
      <210> 377
      <211> 306
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(306)
      <223> n = A, T, C \text{ or } G
      <400> 377
                                                                         60
tctagatgca tgctcgagcg gccgccagtg tgatgganat ctgcagaatt cgcccttcga
geggeegeee gggeaggtte gggtgetgee tteacetgee aggeeettee eegetagett
                                                                        120
ggggcgagca gagctgcgtc cagtggaact aaagccgttc caggattatc aaaaactgag
                                                                        180
cagcaacctt gggggacctg gatcatcacg gactccccca actggaaggt ccttctctgg
                                                                        240
cctcaattcc cgtctcaagg ccacgccttc cacctacagt ggagtcttcc gcacccagcg
                                                                        300
                                                                        306
      <210> 378
      <211> 199
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(199)
      <223> n = A, T, C \text{ or } G
      <400> 378
ccacangtgg cacttgggtg tggctcctct gttatttgtc ctcatgtgag aaagcagatc
                                                                         60
atctccaaat cttgccattt gtatactttt ggtggagact tggatgtcat atcttctttg
                                                                        120
ttttgggttt tcttccctag cttattttgt ggcttttaaa gaagtggatt gtattgtgag
                                                                        180
                                                                        199
atcctgtgat tcctggtgg
```

Ci

<213> Homo sapien

```
<210> 379
      <211> 216
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1) . . . (216) .
      <223> n = A, T, C \text{ or } G
      <400> 379
ccagggcang tcatcaagag gggcattgtc ttgcatgcgg cctgccgtgt ccaccagcac
                                                                         60
cacgtcaaag ccttggttac gtgcaaaagc aatggcttcc atggcaatgc cagcagcatc
                                                                        120
                                                                        180
cttgccatag cccttttcaa acaactgcac catggtgcgg ccaccatgct tctctggagg
gtgtagggca ctcaaacgcc gggtgtgtgt acgcag
                                                                        216
      <210> 380
      <211> 555
      <212> DNA
      <213> Homo sapien
      <400> 380
                                                                         60
ccatgggcct tcctttccac taaaaggaat tccgaacagc aaaaagaagg tcttgagata
gtgaaaatgg tgatgatatc tttagaaggt gaagatgggt tggatgaaat ttattcattc
                                                                        120
agtgagagtc tgagaaaact gtgcgtcttc aagaaaattg agaggcattc cattcactgg
                                                                        180
ccctgccgac tgaccattgg ctccaatttg tctataagga ttgcagccta taaatcgatt
                                                                        240
ctacaggaga gagttaaaaa gacttggaca gttgtggatg caaaaaccct aaaaaaagaa
                                                                        300
gatatacaaa aagaaacagt ttattgctta aatgatgatg atgaaactga agttttaaaa
                                                                        360
gaggatatta ttcaagggtt ccgctatgga agtgatatag ttcctttctc taaagtggat
                                                                        420
gaggaacaaa tgaaatataa atcggagggg aagtgcttct ctgttttggg attttgtaaa
                                                                        480
                                                                        540
tcttctcagg gtcagagaag attcttcatg ggaaatcaag ttctaaaggc tttgccccaa
gagatgatga ggcag
                                                                        555
      <210> 381
      <211> 406
      <212> DNA
      <213> Homo sapien
      <400> 381
ctgcaccagg tgggcctcta ggtcccatta agcccattgg tccagggcca agtccaactc
                                                                         60
cttttccatc atactgagca gcaaagttcc caccgagacc aggggggcca ggaggaccag
                                                                        120
gtggaccagg agggcctgtg ggaccatctt caccatctct gcctgggggg cctggtggac
                                                                        180
ccctttctcc acgtggtcct ctatctccgg ctgggccctt tcttacagtt tcctcttgta
                                                                        240
aagattggca tgttgctagg cataaggtta ctgcaagcag caacaaagtc cgcgtatcca
                                                                        300
caaagctgag catgtctagc acttagacat gcagactcct tgtgtcgcag agcccctggg
                                                                        360
tcaccggcgg aggtatcacc tggcgggcgc gggcatgcag tcgtgg
                                                                        406
      <210> 382
      <211> 528
      <212> DNA
```

```
<220>
     <221> misc_feature
      <222> (1)...(528)
      <223> n = A,T,C or G
     <400> 382
ctgagcagtt tgtgggtntn tcttcccgca agtttcagga agtattcaca aaagaaaaat
                                                                        60
                                                                       120
acattttttc ccccaggggt ggggcaagga cagtggagag agtgctagga aatgagtccc
ctgggaaagg ggaccgggcc gtgatgttaa atatctccgg ctcccaagtg actggatttg
                                                                       180
cctaggacct tcagaccaac agacttcaga ccctcagacc tgccccgggg ccaggtggag
                                                                       240
                                                                       300
aaagtgaggg ccgtacaagg aagtgaaatt ctgagttgtt ggggctaagc ctgacccct
ctccatgctc cccgccccaa cccactctgg cctcagtaga tttttttttc agttgtggtt
                                                                       360
gttgcccagg ctggagtgca gtagcgccat cttggctcac tgcacctcca ccttccgggc
                                                                       420
                                                                       480
tcaagcgatt ctccagcctc agcctcctga gtagctagga ctgcaggtgc tccaccacgc
ccggctaatt tttgtatttt tagtagagat ggggtttccc catgttgg
                                                                       528
     <210> 383
      <211> 335
      <212> DNA
      <213> Homo sapien
     <220>
     <221> misc_feature .
     <222> (1)...(335)
     <223> n = A,T,C or G
     <400> 383
                                                                        60
ccatnttgag tetacteetg cgtettgtge cetageacce cgagaaccgt cagtttgage
cagatggaag ctgagctgaa cacattacga tggatgatgg aaacataaga ctatcaagaa
                                                                       120
                                                                       180
atccaagtgg taatgggcga agtttattca gcatccggca atggacttat cgtagttggg
                                                                       240
gaaacgggtg ttccgaataa tatcctggaa gttatcagga cacctatttt aaatataggc
ctgaattttg taaagtaata tttaaggtgg tccgtgataa ttaaataaaa tgcttaattc
                                                                       300.
                                                                       335
atqtqqcqaa aaaaaaaaaa naaaaaaaaa aaaaa
      <210> 384
      <211> 333
      <212> DNA
      <213> Homo sapien
      <400> 384
agtccaatac ggctattggg gttgtagcag ctttcagagg aaattagtgg tctgggcttg
                                                                        60
cctccagctc cccaggggca gccccagtag ctacactgtc cagacagcac aagaccaggc
                                                                       120
                                                                       180
tggtgtcacg tccatccgag cgctgcctca gggatcgata aagtttcact gcagaaagtc
tccactgcgg tatgctgaca tctgccctga accttcaccc tacagcatta caggctttaa
                                                                       240
tragattrig riggaaagar araggrigat reargigare tettetgeet tracingget
                                                                       300
                                                                       333
ggggtgatcc ttggtgcctt tgtttccaca agg
      <210> 385
      <211> 343
      <212> DNA
```

## <213> Homo sapien <400> 385 60 ctgtgacacc tcaggttgaa agggtcttcc tccttgaaca cccaccgagg ggcctggagc aacagccagc cgatatggac ttctagctgc accgggtcac tgagggtgga gaggtttgtc 120 tggcacctgt actctccact gtcgtcgact gtggcagcgt caatgaagta gctcgaggcc 180 tggcttgaga tgaggctctc attgtgaaac cactgtgtgg aattgtcctc aggggagtag 240 gctccctggc acttcagagt cacactgtcc ttctcgagca ccctgtacca ttgaggctcc 300 343 aggaacacca cagcctttgg gagatcttca gtccgcatgc caa <210> 386 <211> 244 <212> DNA <213> Homo sapien <400> 386 tattctttga ttcttggcaa ataggtgaga gaactaatag caaccaggca actgaggacg 60 aagtcaaaaa gtcggtaaca gaagaatgga atcagccaac ccacttgata agaaattgct 120 ccataaacca gcattgaact gattataaac ataagaacag agacggcaaa aagaacacag 180 240 gcattatcag ccattctctc agacgaatag taattaccga tgacttcata ctgaatgttg 244 acag <210> 387 <211> 504 <212> DNA <213> Homo sapien <400> 387 atctggagtc cagcctcagg gatgcgctac tttccattct ctgcattgaa cattcgttct 60 gtcagcatcc gctccagctt cactgcatca gcggcaaact tgcggatccc gtcagagagc 120 ttctccacag ccatctggtc ctcgttgtgc aaccaacgga aagacttctc atccaggtgg 180 attttttcca ggtcactggc ttgggccgcc ttggctgaga gcacaggcac cagcttggcg 240 ttgtcctgca gcagctctcc caggagcttg ggtgggatgg tgaggaagtc acagccggcc 300 🚎 agtgctttga tctcgcccgt gttgcggaag gaggcgccca tgacaatggt tttgtagcta 360 aacttcttgt agtagttgta gattttagtg acactcttta ccccagggtc ttccaggggc 420 tcataggatt tcttgtcggt gtttgccaca tgccaatcaa ggatgcgccc aacaaatggg 480 504 gagatgaggg tcacacccgc ctcg <210> 388 <211> 450 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(450) <223> n = A,T,C or G<400> 388 gccaaagtgc tgcntgaatt ccactccctt ggttttcgcc tgcccagcgt tgctgtttgc 60

gtggagggtg gggggagctc agtggcaggg aatcagcggt ccgtggggtc gtggggacgg

120

gaacatgtgc ccgaccgctc catcccctcc tcctccttag gatgcataac ctaccttgtc ttttttttt taaattttnt ttccaggtan agtagctntt tgtacataaa naatacttga aaaattaatt gtatgatgta tgaaaanaca nagtctccta gttttgtatn ttgttgtatg actgccatga gttccaccaa aaagccactn tattttggtc tntgtgacat tttaaatgcg tgacaaaaagt gagcaaataa agngaggaan aaatntatnt atganataat atanattgta ttgaaatcta aaaaaaaaaa aaaaaaaaaa	180 240 300 360 420 450
<210> 389 <211> 297 <212> DNA <213> Homo sapien	
<400> 389	
cctgcacttg aacatggctt tggttttaag caacttctct accctgaccc tcctcctggg	60
acagegttte gggaggttte ttggeeteae tgagagggat gtggagetge tgtaceeegt	120
caaggagaag gtattctaca gcctgatgag ggagagcggc tacatgcaca tccagtgcac	180
caageetgae accgtagget etgetetgaa tgaeteteet gtgggtetgg etgeetatat	240
tctagagaag ttttccacct ggaccaatac ggaattccga tacctggagg atggagg	297
<210> 390	
<211> 223	
<212> DNA	
<213> Homo sapien	
<400> 390	60
ctgggctgga gagttggtgc tggcaaaaca gtccttcccc tggggccggt tcttacccag	60 120
gtccagagaa accaacgcgg gatgtcagac ttcaccaaaa ggactttctg gttgcccctg gctggcttcc tggaggcgtt cgcctctagt ttctcaggga tggagcgaga gcccagccag	180
agaacagtaa gaggagctgc tctcctatct gcactcaccc agg	. 223
<210> 391 ·	
<211> 365	
<212> DNA	
<213> Homo sapien	
<400> 391	
ctgaggaaga aatgaaaaaa gaccctgtcc ctcatggccc gcccactggc ctcctgtgaa	60
ctctgtcctg ttgccaaccc cagatgaagt cagccaaaaa gtgctttcca catcctctct	120
ctggggctgc ccagcctgac cgtaggggat ccactggcag agccaaggtg gatgctggtg	180
cctgaagctg gaagccagca ggacatgaga cccctcctgt agcaggaagt ggttctagaa	240
ctcccagcag aacagaacgg aaaaggagct gattggggat agaatgagtt ctgctaaaca	300
gccagatgct ctgagagagg tgacactgga ctgtctcgga ggtgtgtgca gatggctaca	360 365
ggtgg	303
<210> 392	
<211> 302	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	

<222> (1)...(302) <223> n = A,T,C or G<400> 392 60 ccaagagcta caatgagcag cgcatcanga cagaacgtgc aggtttttga gttccagttg actgcagagg acatgaaagc catagatggc ctagacagaa atctccacta ttttaacagt 120 gatagttttg ctagccaccc taattatcca tattcagatg aatattaaca tggagagctt 180 tgcctgatgt ctaccagaag ccctgtgtgt ggatggtgac gcagaggacg tctctatgcc 240 ggtgactgga catatcacct ctacttaaat ccgtcctgtt tagcgacttc agtcaactac 300 302 ag <210> 393 <211> 213 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(213) <223> n = A,T,C or G<400> 393 60 ccaataatca agnacaaana ctggatttga ggatggatca gttctgaaac agtttctttc tgaaacagag aaaatgtccc ctgaagacag agcaaaatgc tttggaaaga atgaggccat 120 acaggcagcc catgatgccg tggcacagga aggccaatgt cgggtagatg acaaggtgaa 180 tttccatttt attctgttta acaacgtgga tgg 213 <210> 394 <211> 334 <212> DNA <213> Homo sapien <400> 394 cctacccata atccagagag gcttgcccag aggaggacta cgtgggggac gtgccaccag 60 aaccctactt gggggcggga tgtcactccg aggtcaaaac ctgctccgag gtggacgagc 120 cgtagctccc cgaatgggct taagaagagg tggtgttcga ggtcgtggag gtcctgggag 180 240 agggggccta gggcgtggag ctatgggtcg tggcggaatc ggtggtagag gtcggggtat gataggtcgg ggaagagggg gctttggagg ccgaggccga ggccgtggac gagggagagg 300 tgcccttgct cgccctgtat tgaccaagga gcag 334 <210> 395 <211> 174 <212> DNA <213> Homo sapien <400> 395 ccagatgagg aaaaaaatta ggaaggagat gaagttttcc aaatttcatg gtatatgctg 60 cactteccea acetteacte tecatgtage ctactgggte tactatteca caaagtgget 120 caacetecaa atgacetetg gtttacecet attaaaatee caaaggaett teag 174

```
<211> 140
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(140)
      \langle 223 \rangle n = A,T,C or G
      <400> 396
                                                                         60
ctgcaaagcc ttgtgtaacn ttctccagca tttggaccca gtacgtgaaa gcccacaaca
cgttcattgt ctttagtatt acagattatt tttgcataac atttgttgtt atctcttgac
                                                                        120
                                                                        140
ggaatcgtcc attccaatgg
      <210> 397
      <211> 318
      <212> DNA
      <213> Homo sapien
      <400> 397
                                                                         60
cctcgcctgg agggcccccg ggcagcacag ggaggacgag cttgtccagc agagggtctg
gcagagggtc ccgcagaggt ttgggcaggg ggtctgacat ccctggctcc tgctctggct
                                                                        120
ctggctgccg ggatttgcac aggcccaggt gcatacagat gccgtttgag tcagtctggt
                                                                        180
tctggaagta gtcgatgacc agggggaagt agtcgtcaag cacttggttg cactggggca
                                                                        240. .
tgagcagctt caaggggagg acgttgcact cctgctccag gaacttcctc atcgtgtcct
                                                                      300
                                                                        318
ggaaaatggc ctccttgg
      <210> 398
      <211> 517
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(517)
      <223> n = A, T, C or G
      <400> 398
cettnetteg ceatceatte ategaceete tecageaett getgeagget tggetgacea
                                                                         60
                                                                        1.20
tccaccatgg cttgaataat cccggtgagc tctgtacaga atggggtaag ctgtggatgg
actacaggct ggacatacat gtgaaaggta gactcaatct ccatggtccg gccatttagc
                                                                        180
tttaggatgg ggaactcgat gatttcctga ggatgaatct gtggcttgtc gcacgtggcc
                                                                        240
tcaaagtcca gcactaaaaa gtagtgatac ctctggagag ggaaggacac cattgccgcc
                                                                        300
atggatgcgc caaagccgtg ggccgccagc tttctggtgg atatggagca gaactccgga
                                                                        360
acaccacagg gagaaaataa gtgggagccc agcacttttc ttgctcttga aagtaaatac
                                                                        420
                                                                        480
gaagaaaatc gagctgctcc agtctgtaaa ggtgctagca ttgaacatcc agaagcatct
aaaactctcc ttacttcgaa gatgccaaga ccggcag
                                                                        517
      <210> 399
      <211> 329
      <212> DNA
```

## <213> Homo sapien

```
<400> 399
                                                                        60
ccaacctcag gcaacgggtg gagcagtttg ccagggcctt ccccatgcct ggttttgatg
agcattgaag gcacctggga aatgaggccc acagactcaa agttactctc cttcccccta
                                                                       120
cctgggccag tgaaatagaa agcctttcta ttttttggtg cgggagggaa gacctctcac
                                                                       180
ttagggcaag agccaggtat agtctccctt cccagaattt gtaactgaga agatcttttc
                                                                       240
tttttccttt tttcggtaac aagacttaga aggagggcc aggcactttc tgtttgaacc
                                                                       300
cctgtcatga tcacagtgtc agagacgcg
                                                                       329
      <210> 400
      <211> 451
      <212> DNA
      <213> Homo sapien
      <400> 400
ctggcttcac tgctcaggtg attatcctga accatccagg ccaaataagc gccggctatg
                                                                        60
                                                                       120
cccctgtatt ggattgccac acggctcaca ttgcatgcaa gtttgctgag ctgaaggaaa
agattgatcg ccgttctggt aaaaagctgg aagatggccc taaattcttg aagtctggtg
                                                                       180
atgctgccat tgttgatatg gttcctggca agcccatgtg tgttgagagc ttctcagact
                                                                       240
atccaccttt gggtcgcttt gctgttcgtg atatgagaca gacagttgcg gtgggtgtca
                                                                       300
tcaaagcagt ggacaagaag ctgctggagc tggcaaggtc accaagtctg cccagaaagc
                                                                       360
tcagaagcta aatgaatatt atccctaata cctgccaccc cactcttaat cagtggtgga
                                                                       420 -
agaacggctc agaactgttt gtttcaattg g
                                                                       451
      <210> 401
      <211> 180
      <212> DNA
      <213> Homo sapien
      <400> 401
ccaggaagca ggccagggga ttggcagcac tgcccagcac cacagccagg tggtaggcca
                                                                        60 :
gacgcccgta gggtaagcag gaaaagctct gcacggcagg cagcacgcca ttggtcagcg
                                                                       120
                                                                       180 ..
cgttggtggc ggccaacagg cccagcaggc aggcactgcg ggctgataga agctgatagg
      <210> 402
      <211> 385
      <212> DNA
      <213> Homo sapien
      <400> 402
ccaggccacc tgtgcggggc tcctcgatgt ggaaggttcg ggtgaggaga ttgtagaagg
                                                                        60
agcegtagea caeggeeace acagtgeacg tgaggeagat caegttgtag ggeatgetga
                                                                       120
agtccggtgt cggcaggttc accagcagcg gctccgtgta gagccgcaca aagtagttag
                                                                       180
                                                                       240
agccatcaga gactgggaac aggctgttga agaggggact ctcttcccag tccactggct
                                                                       300
tggctgctac catgctgggc acaagggcgc tgaggacaga tgggctgaca tagaagccat
ggttaggatc tggcgtgtac tcggtccact tcagcagcgc ccgctcaaac tggatggaaa
                                                                       360
ccttggtgac tgagttggcc ggcag
                                                                       385
```

<210> 403 <211> 440

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(440)
      <223> n = A, T, C or G
      <400> 403
                                                                         60
ctgtttaacc agnaacccgg ggggtcaccc cccacagaat gtacatgaaa cactagagga
ctgcatgttt ttccctgaga gaagcgtaag acaaacagaa gtcaaaaagt agtcactggg
                                                                        120
agegecated tictaageaa atcetecett teeetitigg aggattigee egaactaegt
                                                                        180
agccagtcag cacttagacc acctgcctcc tecceccet ataaacccae cacteccete
                                                                        240
ctcctttccc aaaccacttg gggtgtccta agccctcact gccccaagcc caaaatatca
                                                                        300
                                                                        360
gctaagatcc ttgtcagtat ttccacagtc atacctaatg aattgggaag tggggcccct
aaaaaccaat tcacatctat gcacttgttt ccactggatt tggcagacag gcttttttag
                                                                        420
ttaccgtaac cagatcttaa
                                                                        440
      <210> 404
      <211> 239
      <21.2> DNA
      <213> Homo sapien
      <400> 404
cctacgaaaa actcccggcc ggtgaagaga acgtcagtgc catccagcgt cgcgttctcg
                                                                         60
tctcctattt ccacaattcg gagccccagg tcttgcaggg ctttgcggac tccatcgacc
                                                                        120
tetggeetae gagegggget ceagggeege gtgattaggg cegtgteece ttggateaeg
                                                                        180
gccgtgtcgc caagcagcgg tcccagcggc aatgactcct caggtggcag ttctagcag
                                                                        239
      <210> 405
      <211> 261
      <212> DNA
      <213> Homo sapien
      <400> 405
ctggagaggc agccetteac eggatgeeca geteegtgee eetgegggee eeageacagt
                                                                         60
ttaccttctc ccccacggc ggtcccatct actctgtgag ctgttccccc ttccacagga
                                                                        120
atttcttcct gagcgctggg actgacgggc atgtccacct gtactccatg ctgcaggccc
                                                                      180
ctcccttgac ttcgctgcag ctctccctca agtatctgtt tgctgtgcgc tggtccccag
                                                                        240
                                                                        261
tgcggccctt ggtttttgca g
      <210> 406
      <211> 641
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(641)
      <223> n = A, T, C \text{ or } G
```

<400> 406	60
ctgctcccgg gcntggtggc agcaagtaga catcgggcct gtgcagggcc accccttgg gccgggagat ggtctgcttc agtggcgagg gcaggtctgt gtgggtcacg gtgcacgtga	120
accteteece ggaatteeag teateetege agatgetgge eteaceeaeg gegetgaaag	180
tggcattggg gtggctctcg gagatgttgg tgtgggtttt cacagcttcg ccattctggc	240
gggtccagga gatggtcacg ctgtcatagg tggtcaggtc tgtgaccagg caggtcaact	300
tggtggactt ggtgaggaag atgctggcaa aggatggggg gatggcgaag acccggatgg	360
ctgtgtcttg atcggggaca cacatggagg acgcattctg ctggaaggtc aggccctgt	420 480
gatccacgcg gcaggtgaac atgctctggc tgagccagtc gctctctttg atggtcagtg tgctggtcac cttgtaggtc gtgggcccag actctttggc ctcagcctgc acctggtccg	540
tggtgacgcc agaccccacc tgcttcccct cgcgcagcca ggacacctga atctgccggg	600
gactgaaacc cgtggcctgg cagatgagct tggacttgcg g	641
<210 > 407	
<211> 173 <212> DNA	
<213> Homo sapien	
<4.00> 407	
ccaggtactg gcacaatcat gtctggatgg gggtggtggt gtcctgtagg cagagaaaca	60
ggaaattgtc gtagtcagta tcgagcagcg tggcctcgtt cgccaccgta tagttgatct	. 120 . 173
tgaacttett tggattetea gtettetete caaggaeett etteteaaea eag	. 1/3
<210> 408	
<211> 165	
<212> DNA	•
<213> Homo sapien	
<400> 408	
ccactgtctg cagccatggc agaaagtgct caaagtccag caccttcaca ttcatctcat	60
cactettggg gtteeceagg acettgagea eeteggegtt ggtagggtte tggeecaggg	120
ccctcatcac atccccacac tggctgtaca ggatcttgcc atcac	165
<210> 409	
<211> 329	
<212> DNA	•
<213> Homo sapien	
<400> 409	
ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggccgcg	60
tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctcccgcctt gacggggctg	120
ctatctgcct tccaggccac tgtcacggct cccgggtaga agtcacctat gagacacacc	180
agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg	240
gcagccttgg gctgaccaag gacggtcagc ttggtccctc cgccaaatac cgccggataa	300
gcaccactgt tgtctgctga ttgacagaa	329
<210> 410	
<211> 235	
<212> DNA	
<213> Homo sapien	

```
<220>
      <221> misc_feature
      <222> (1)...(235)
      <223> n = A,T,C \text{ or } G
      <400> 410
ccatcagnga gaaaggtgtt tgtcagttgt ttcacaaacc agattgagga ggacaaactg
                                                                         60
ctctgccaat ttctggattt ctttattttc agcaaacact ttctttaaag cttgactgtg
                                                                        120
tgggcactca tccaagtgat gaataatcat caagggtttg ttgcttgtct tggatttata
                                                                        180
tagagetttt teatatgtet gagteeagat gagttggtea ecceaacete tggag
                                                                        235
      <210> 411
      <211> 294
      <212> DNA
      <213> Homo sapien
      <400> 411
aattaaggga agatgaagat gataaaacag ttttggatct tgctgtggtt ttgtttgaaa
                                                                         60
cagcaacgct tcggtcaggg tatcttttac cagacactaa agcatatgga gatagaatag
                                                                        120.
aaagaatgct tcgcctcagt ttgaacattg accctgatgc aaaggtggaa gaagagcctg
                                                                        180
aagaagaacc tgaagagaca gcagaagaca caacagaaga cacagagcaa gacgaagatg
                                                                        240
aagaaatgga tgtgggaaca gatgaagaag aagaaacagc aaaggaatct acag
                                                                        294
      <210> 412
      <211> 433
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(433)
      <223> n = A,T,C or G
      <400> 412
cctgagaagc cagaggcagg tggagagggg gtggaaagtg agcagcgggc tgggctggag
                                                                        60
ccgcacacgc tctcctccca tgttaaatag cacctttaga aaaattcaca agtccccatc
                                                                        120
cacaaaaaaa aaaanaanaa aaatttcagg gantaaaaat anactttgaa caaaaaggaa
                                                                        180
catttgntgg cctgggggg catctnantt tntntagene cagngattee eteceencee
                                                                        240
cacccatcac atanatgtaa cacctttggt ntaaaatggg gagccgtttc caccntgccc
                                                                        300
centeceege ecceaggeag ttgeeceggn gacaenteaa gacagganeg aggtagtntt
                                                                        360
tcancancac agttncacaa ggaacagaac agtntctccc gcccagccct gcggcacaag
                                                                        420
ggattgacac gcn
                                                                        433
      <210> 413
      <211> 494
      <212> DNA
      <213> Homo sapien
      <220>
     <221> misc_feature
      <222> (1)...(494)
```

## <223> n = A, T, C or G<400> 413 60 ccttatttct cttgtcnctt cgtacaggga ggaatttgaa gtagatagaa accgacctgg attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta 120 atageggetg caccateggg atgteetgat ceaacatega ggtegtaaac cetattgttg 180 atatggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttggtcaa 240 gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg 300 ctcggaggtt gggttctgct ccgaggtcgc cccaaccgaa atttttaatg caggtttggt 360 agtttaggac ctgtgggttt gttaggtact gtttgcatta ataaattaaa gctccatagg 420 gtcttctcgt cttgctgtgt tatgcccgcc tcttcacggg caggtcaatt tcactggtta 480 494 aaagtaagag acag <210> 414 <211> 294 <212> DNA <213> Homo sapien <400> 414 ctgggcggat agcaccgggc atattttgga atggatgagg tctggcaccc tgagcagtcc 60 agegaggaet tggtettagt tgageaattt ggetaggagg atagtatgea geaeggttet 120 gagtctgtgg gatagctgcc atgaagtaac ctgaaggagg tgctggctgg taggggttga 180 ttacagggtt gggaacagct cgtacacctg ccattctctg catatactgg ttagtgaggt 240 gagectggeg etettetttg egetgageta aagetacata caatggeett gtgg 294 <210> 415 <211> 421 <212> DNA <213> Homo sapien <400> 415 ccttgcccct gcctcccac gaatggttaa tatatatgta gatatatatt ttagcagtga 60 catteccaqa qaqceccaga getetcaage teetttetgt cagggtgggg ggttcageet 120 gtcctgtcac ctctgaggtg cctgctggca tcctctcccc catgcttact aatacattcc 180 ... cttccccata gccatcaaaa ctggaccaac tggcctcttc ctttcccctg ggaccaaaat 240 ttaggggcct cagtccctca ccgccatgcc ctggcctatt ctgtctctcc ttcttccccc 300 360 tggcctgttc tgtctctgag ctctgtgtcc tccgttcatt ccatggctgg gagtcactga tgctgcctct gccttctgat gctggactgg ccttgcttct acaagtatgc ttctcccaca 420 421 <210> 416 <211> 342 <212> DNA <213> Homo sapien <220> <221> misc\_feature

<222> (1)...(342) <223> n = A,T,C or G

<400> 416

ccactttett teccaenetg gaaggeggea tetatgaett cattggggag tteatgaagg ccagegtgga tgtggeagae etgataggte taaacettgt catgteeegg aatgeeggea agggagagta caagateatg gttgetgeee tgggetggge caetgetgag ettattatgt eeegetgeae teccetatgg gteggageee ggggeattga gtttgaetgg aagtaeatee agatgageat agaeteeaae ateagtetgg teeattaeat egtegegtet geteaggtet ggatgataae aegetatgat etgtaeeaea eetteeggee gg	60 120 180 240 300 342
<210> 417 <211> 389 <212> DNA <213> Homo sapien	
<400> 417	
tattaattag gttcttaaga catttagaac accaatttgt gaggataaat tccattcgtc	60
agagcaaaca cagatcgcag gtagccctgg agctgaggaa tagctttgat ttttggtaaa	120
atttgtgagt ccacagettt etgateaate ttgegetget eegtaatete atatttetet	180
ttttctgtgt cgaagatctc accttcctgg tgtctgggct tccgcagctt cttcttcttg	240
aagtaagcat cagtaagatg ttttgggatt tttacattgc tgatatcgat tttggttgaa	300 360
gtggcaatga caaatttctg gtgtgttctt cgtagaggaa ctcgattgag gaccagaggt ccagtcacaa gtaataagcc actagccag	389
<210> 418	
<211> 343	
<212> DNA <213> Homo sapien	
(213) Homo sapien	
<400> 418	
gtgggaggga gccaggttgg gatggaggga gtttacagga agcagacagg gccaacgtcg	60
aagccgaatt cctggtctgg ggcaccaacg tccaaggggg ccacatcgat gatgggcagg	120
cgggaggtet tggtggtttt gtatteaate actgtettge eecaggetee ggtgtgaete	180
gtgcagccat cgacagtgac gctgtaggtg aagcggctgt tgccctcggc gcggatctcg	240 300
atctcgttgg agccctggag gagcagggcc ttcttgaggt tgccagtctg ctggtccatg taggccacgc tgtttttgca gtggtaggtg atgttctggg agg	343
<210> 419	
<211> 255	
<212> DNA <213> Homo sapien	
(213) NOMO Sapien	
<400> 419	
cctagcaaga gaatcaccaa atttatggag agttaacagg ggtttaacag gaaggaagtg	60
cctttagtaa gttctcaagc cagaggctgg aggcagcagc taaatcagag gacagcatcc	120
tcagtgaaag tgagccattc ggggtggcat gtcactccag gaataaacac aacttagaaa	180
caaatgattt cgtaggatag cacagtgaca tggtgcactg tgaacctgag gccactgtgt caaactgtgc actgg	240 255
- Cadactytyc actyy	233
<210> 420	
<211> 261	
<212> DNA	
<213> Homo sapien	

<400> 420	
cttctgatga taaccaaccc ctagctacca ctctgtattc atcaggggag gggtataaac	60
cccacatgca agaagaaccc ttgcccccag tgtcaaatgg gatggggatg ctagagttat	120
agtaaagggg aaaccctatg taagctgtta acagagttca caggggtagg gataacccct	180
gttctccagc tcccaaatgt gctcactttc ccagcttctt catccgttca tcaatgctgg	240
caaagttccc ctcaactgtg g	261
<210> 421	
<211> 179	
<212> DNA	
<213> Homo sapien	
<400> 421	
ccttcctgtt gttgtttcaa atgctgcttg atttctcgta acagatctgc atctatgtaa	60
tacctttctt cagatctgac tgctccaaaa tgattctgca tcctgatttg agacatcaat	120
tcatttagtc ggcccttgaa ctgagtaggt gcatttagtt caccctgaat cgtatccag	179
<210> 422	
<211> 424	
<212> DNA	
<213> Homo sapien	
<400> 422	
cgaggtccaa atctgatctg cagatgcaga agattcgaca gaagctgcag actaaacagg	60
ctgccatgga gaggtctgga aaagctaagc aactgcgagc acttaggaaa tacgggaaga	. 120
aggtgcaaac ggaggttctt cagaagaggc agcaggagaa agcccatatg atgaatgcta	180
ttaagaaata tcagaaaggc ttctctgata aactggattt ccttgaggga gatcagaaac	240
ctctggcaca gcacaagaag gcaggagcca aaggccagca gatgaggaag gggcccagtg	300
ctaaacgacg gtataaaaac cagaagtttg gttttggtgg aaagaagaaa ggctcaaagt	360
ggaacactcg ggagagctat gatgatgtat ctagcttccg ggccaagaca gctcatggca	420
gagg	424
<210> 423	
<211> 256	
<212> DNA	
<213> Homo sapien	
<400> 423	<b>60</b>
ctgtggccta gggctacctc aagactcacc tcatccttac cgcacattta aggcgccatt	60
gcttttggga gactggaaaa gggaaggtga ctgaaggctg tcaggattct tcaaggagaa	120
tgaatactgg gaatcaagac aagactatac cttatccata ggcgcaggtg cacaggggga	180
ggccataaag atcaaacatg catggatggg tcctcacgca gacacaccca cagaaggaca	240
ctagcctgtg cacgcg	256
22105 424	
<210> 424 <211> 330	
<211> 330 <212> DNA	
<213> Homo sapien	
<400> 424	
ccagccgcat gggagtggag gcagtcatcg ccttgctaga ggccaccccg gacaccccag	60
ccayccycac gggageggag geagecaecy ceeegeraga ggecaeceeg gacaeceeag	0.0

```
cttgcgtcgt gtcactgaac gggaaccacg ccgtgcgcct gccgctgatg gagtgcgtgc
                                                                        120
agatgactca ggatgtgcag aaggcgatgg acgagaggag atttcaagat gcggttcgac
                                                                        180
tccgagggag gagctttgcg ggcaacctga acacctacaa gcgacttgcc atcaagctgc
                                                                        240
                                                                        300
cggatgatca gatcccaaag accaattgca acgtagctgt catcaacgtg ggggcacccg
                                                                        330
cggctgggat gaacgcggcc gtacgctcag
      <210> 425
      <211> 333
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(333)
      \langle 223 \rangle n = A,T,C or G
      <400> 425
etgetecatg gneteaaagt cageaceace caeacecaca atgateactg acatgggeag
                                                                         60
gttcgaggca cgcaccacag cctcacgtgt ggcttccaca tccgtcacag caccatcagt
                                                                       . 120
cagnagaaac agnatgaagt attgngaggc antcccctga tgtgcagcct gggctgcaaa
                                                                        180
cctggacctg cccgggcggc cgctcgaaag ggcgaattcc agcacactgg cggccgttac
                                                                        240
                                                                        300
tagnggatne aganeteggt aenaagettg geagtaatea tggteatage tgttteetgt
                                                                        333
gagcggntgg gatgaacgcg gccgtacgct cat
      <210> 426
      <211> 411
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(411)
      <223> n = A, T, C \text{ or } G
      <400> 426
gggtgttcat catgaggatt gcttctgcca tggagctgat ggacgtgggc aggttgctga
                                                                         60
gaaggtgggg tggaagtgag tgccgggggt gggtgagtgc cctggtcttg ttcatagggg
                                                                        120
agcctttccc tagcagtgga acgctgtggt cattttctct agcatattcc cttgggaagt
                                                                        180
ctagatttgc tattaatctg gctgagaatc taagttctgt gccttagaga cagtttgcac
                                                                        240
                                                                        300
tttcccatat tgtgcctggg acagccatat gatttttttt cccaccaaac aagtatgcaa
                                                                        360
acagaaacca gttcaaaggg ggatggtgta aaagatgagg cagtanaaat gcctttgaat
ggttttctgt agctaattct ctttaaattt tgtcctgctt tttttcttta t
                                                                        411
      <210> 427
      <211> 450
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(450)
```

## <223> n = A,T,C or G<400> 427 acgtgtacaa gtttgaactg gatacctctg aaagaaagat tgaatttgac tctgcctctg 60 qcacctacac tetetaetta ateattggag atgecaettt gaagaaceca ateetetgga 120 atqtqqctqa tqtqgncatc aagttccctg aggaagaagc tccctcgact gtcttgtccc 180 agaacctttt cactccaaaa caggaaattc agcacctgtt ccgcgagcct gagaagaggc 240 cccccaccgt ggtgtccaat acattcactg ccctgatcct ctcgccgttg cttctgctct 300 tegetetgtg gateeggatt ggtgeeaatg teteeaactt caettttget eetageaega 360 420 ttatatttca cctgggacat gctgctatgc tgggactcat gtatgtctac tggactcagc 450 tcaacatgtt ccagaccttg aagtacctgg <210> 428 <211> 377 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(377) <223> n = A, T, C or G<400> 428 60 cagggctata gtgcgctatg ttgatctggt gttcatgcta agttccgcat caatatggtg acttcttggg agtgggggac caccaggttg cctaaggagg ggtgaacctg cctacgttgg 120 aaatagaget ggneaaaact eetgtgetea teagtagtag aattgeacet gtgaatagee 180 nccgccctcc agcatgggca acataacaag accctgcctc ttaaagataa aaattggaaa 240 acactngtag gaaaaaaagg gtgnttggtc taaataaatn tggattgggn ataaatgacn 300 caaaactatc atgaatttga aagcntttct aatttcttga aagtctgaaa aaagttaaan 360. cncaatttta tctnaaa 377 <210> 429 <211> 206 <212> DNA <213> Homo sapien <400> 429 60 gttgctcctc caaagaaggt tggcttcaag gccgtgtcca gggacccacg agcagaggca ctggggggca agggatctcc aagggggcaa gggatcccta aagggggtag ctcacaggtg 120 180 agggggttta gggcccctct agggagcgcc tgaggccata cattcaagag tgtccctggt 206 gaggcccagg gaagagccag gactgg <210> 430 <211> 473 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(473) <223> n = A, T, C or G

```
<400> 430
ccttatttnt cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg
                                                                         60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta
                                                                        120
atageggetg caccateggg atgteetgat ceaacatega ggtegtaaac cetattgttg
                                                                        180
atatggactc tagaatagga ttgcgctgtt atccctaggg taacttgttc cgttggtcaa
                                                                        240
gttattggat caattgagta tagtagttcg ctttgactgg tgaagtctta gcatgtactg
                                                                        300
ctcggaggtt gggttctgct ccgaggtcnc cccanccgaa atttttaatg caggtttggt
                                                                        360
agntnaggac ctgtgggttt gttaggtact gggtgcatta ataaattaaa gctccatagg
                                                                        420
gtettetegt ettgetgtgt tatgecence tetteaeggg eaggteaatt tea
                                                                        473
      <210> 431
      <211> 215
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(215)
      <223> n = A, T, C \text{ or } G
      <400> 431
cctgtatnaa gctanaaaaa gactaccagc ccgggatcac cttcatcgtg gtgcagaaga
                                                                         60
ggcaccacac ccggctcttc tgcactgaca agaacgagcg ggttgggaaa agtggaaaca
                                                                        120
ttccagcagg cacgactgtg gacacgaaaa tcacccaccc caccgagttc gacttctacc
                                                                        180
tgtgtagtca cgctggcatc caggggacaa gcagg
                                                                        215
      <210> 432
      <211> 391
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(391)
      <223> n = A, T, C \text{ or } G
      <400> 432
ccagcactgc cacaaacttt ttcagggcca ccaggcgctg cccttccagg accgggaacc
                                                                         60
tgcccacttc tatccgcagg atgtagtgca gtgcagattc caggtcagcc atgtagatcc
                                                                        120
tggagcgatc tgccaatttc caaacagtgg gagctatctt gttagcagtg gttggtgcaa
                                                                        180
ctgtggtctg ggcagcctcc ctggtgagcc cagagagtct ctgcaggtaa gcggtataga
                                                                        240
aggacctgga ttccatgagc acggggactc gggagacgga gccattccgg aacagcaggt
                                                                        300
agcaagaggg gaagteggtg acaccaaact tteteaceae attggeetet gtgtteagea
                                                                        360
ccctgcgcac cgccacncct ttgtgctggg a
                                                                        391
      <210> 433
      <211> 420
      <212> DNA
      <213> Homo sapien
```

```
<220>
      <221> misc_feature
      <222> (1)...(420)
      <223> n = A,T,C or G
      <400> 433
ctgtagcttc tgtgggactt ccactgctca ggcgtcaggc tcagatagct gctggctgcg
                                                                         60
tacttgttgt tgctttgttt ggagggtgtg gtggtctcca ctcccgcctt gacggggctg
                                                                        120
                                                                        180
ctatctqcct tccagqccac tgtcacggct cccgggtaga agtcacttat gagacacacc
                                                                        240
agtgtggcct tgttggcttg aagctcctca gaggagggcg ggaacagagt gaccgagggg
gcagccttgg gctgacgtag gacggttagt ttggnccctc cgccgaatgc cgcanttcta
                                                                        300
ctgtcccaca cctgacagta atagtcancc tcatcttcgg cttgggctct gctgatggtc
                                                                        360
agggtggccc gtgntccccg agttggagcc agggaatcnc tcagggatcc canagggccn
                                                                        420
      <210> 434
      <211> 239
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(239)
      <223> n = A, T, C \text{ or } G
      <400> 434
ccaaccanga gagaagggat cgcctggtgc ccagggccca ccaggagctc caggcccact
                                                                         60 .
tgggattgct gggatcactg gagcacgggg tettgcagga ccaccaggca tgccaggtcc
                                                                        120
                                                                        180
taggggaage cetggeeete agggtgteaa gggtgaaagt gggaaaceag gagetaaegg
                                                                        239
teteagtgga gaaegtggne eeeetggaee eeagggtett eetggtetgg etggtneag
      <210> 435
      <211> 415
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(415)
      <223> n = A, T, C \text{ or } G
      <400> 435
ctgtccaatg gcaacaggac cctcactcta ttcaatgtca caagaaatga cgcaagagcc
                                                                         60
tatgtatgtg gaatccanaa ctcagtgagt gcaaaccgca gtgacccagt caccctggat
                                                                        120
gtcctctatg ggccggacac ccccatcatt tcccccccag actcgtctta cctttcggga
                                                                        180
gcaaacctca acctctcctg ccactcggcc tctaacccat ccccncanta ttcttggcgt
                                                                        240
atcaatggga taccgcagca acacacaca gttctnttta tcgccaaaat cacgccaaat
                                                                        300
aataacggga cctatgcctg tttagggntn taacttggnt actggccgca anaattccat
                                                                        360
agtcaagagc atcacagnct ctgcatntgg aacttctcct ggctntcaga cctgn
                                                                        415
      <210> 436
      <211> 152
```

<212> DNA <213> Homo sapien <400> 436 ccaggattga caggccatcc attcacagcc aggagatgct gggccagtcc ctccaagagg 60 tctccgtcat ggcagtgatg aaaacctaac agggtggccc cctgtgccag ctcaggtgac 120 152 tggagcccga gggcctgaca ggttcccagc ag <210> 437 <211> 174 <212> DNA <213> Homo sapien ·<400> 437 60 ccaggtactg gcacatcatg ctctggatgg gggtggtggt gtcctgtaag cagagaaaca ggaaattgtc gtagtcagta tcgagcagct gtggcctcgt tcgccaccgt atagttgatc 120 ttgaacttct ttggattctc agtcttctct ccaaggacct tcttctcaac acag 174 <210> 438 <211> 485 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(485) <223> n = A,T,C or G<400> 438 ccacggccct ctcggccctc tcgctgggag cggagcagcg aacagaatcc atcattcacc 60 gggctctcta ctatgacttg atcagcagcc cagacatcca tggtacctat aaggagctcc 120 180 ttgacacggt caccgcccc cagaagaacc tcaagagtgc ctcccggatc gtctttgaga agaagctgcg cataaaatcc agctttgtgg cacctctgga aaagtcatat gggaccaggc 240 ccagagtcct gacgggcaac cctcgcttgg acctgcaaga gatcaacaac tgggtgcagg 300 360 cgcagatgaa agggaagctc gccnggtcca caaaggaaat tcccgatgag atcagcattc teettetegg ngtggegeae tteaagggge agngggtaae aaagtttgae tneagaaang 420 480 acttccctcg aggatttcta cttggatgaa gagaggaccg tgagggtccc catgatgtcg 485 gaccc <210> 439 <211> 317 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(317) <223> n = A,T,C or G <400> 439 gggccgtctt cccctccatc gtggggcgcc ccaggcacca gggcagtgat ggtgggcatg

```
qqtcaqaagg attcctatgt gggcgacgag gcccagagca agagaggcat cctcaccctg
                                                                        120
aagtacccca tcgagcacgg catcgncacc aactgggacg acatggagaa aatctggcac
                                                                        180
cacaccttct acaatgagct gcgtgtggct cccgaggagc accccgtgct gctgaccgag
                                                                        240
gccccctga accccaaggc caaccgcnag aagatgaccc agatcatgtt tgagaccttc
                                                                        300
agcaccccag ccatgta
                                                                        317
      <210> 440
      <211> 338
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(338)
      <223> n = A,T,C \text{ or } G
      <400> 440
ccanaaagac ttcccaggga agatgcttgg ctctctgctc caaggtgggc catggtatag
                                                                         60
ggccctcgaa gggcttgtgg ctggggtgat cccagggggc attgctcaaa gtgcacagga
                                                                        120
ggtggcagca gggtcaggcg agttcctgtt ccagggacat caggagggag ggtagaagcc
                                                                        180
tagggagtgt gcgaggctgc tgggatgagg gagctcaggg gctaccagct aaccagcctc
                                                                        240
ageteaatgg tttetecate ettgggtetg tagteageaa tacettgeaa cagtggggtg
                                                                        300 . .
ttggggtctc ggagaagctg ccagaactcc ctttctcc
                                                                        338
      <210> 441
      <211> 505
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(505)
      <223> n = A, T, C \text{ or } G
      <400> 441
ccacacagan tcaccaagcc acagacttgt cttccacaag cacgttctta tcttagccac
                                                                         60
gaagtgacca agccacacgt actaaaggtt gaactcaaag atatgtacag ggtattaaac
                                                                        120
aaataccaag gggaacagtt aacttcaata caaggtcgaa atcagcaaca agttctacaa
                                                                        180
tccagngctg atatcagata caagettcaa ggacaatttc ttttcgaagg cttattccag
                                                                        240
tttcgngagg ctagcatgag gtgtgtgcat ttgccagggg caaatttcta ttctcaatta
                                                                        300
acccatgcag caaatgctac ncatggtgcn gagtccgttt agaagcattt gcggtggacg
                                                                        360
atggagggc ccgactcgtc ttactcctgc ttgctaatcc acnngngctg gaaggnggac
                                                                        420
agtgaggcca cggatggagc caccnatcca caccgagtnc ttgcgctctg ggggtgcgat
                                                                        480
nathttgatc ttcatggtgc tgggc
                                                                        505
      <210> 442
      <211> 386
      <212> DNA
      <213> Homo sapien
      <220>
```

```
<221> misc_feature
      <222> (1)...(386)
      <223> n = A, T, C or G
      <400> 442
cgccaggtga tacctccgcc ggtgacccag gggctctgcg acacaaggag tctgcatgtc
                                                                         60
taagtgctag acatgctcag ctttgtggat acgcggactt tgttgctgct tgcagtaacc
                                                                        120
ttatgcctag caacatgcca atctttacaa gaggaaaccg taagaaaggg cccagccgga
                                                                        180
gatagaggac cacgtggaga aaggggtcca ccaggccccc caggcagaga tggtgaagat
                                                                        240
                                                                        300
ggtcccacag gccctcctgg tccacctggt cctcctggcc cccctggtct cgatgggaac
tttgctgctc agtatgatgg aaaaggaggg nggacttggc cctggaccaa tgggcttaat
                                                                        360
gggacctana ggcccacctg gtgcag
                                                                        386
      <210> 443
      <211> 404
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(404)
      <223> n = A, T, C \text{ or } G
      <400> 443
cctccctctc agagettgcc ccagggactc tctggccctc agggttcaat gtattctgac
                                                                         60
caaggccaag ctttcctggg gctcagggaa aatcacactt tgctacccga agctgtatcc
                                                                        120
cctcagatgc caggaaggcc gtgatcatct gactccaccc tcctgagaca cattctctcc
                                                                        180
ctgactgtcc tgttctaagt cagcggagca ccttaggatg gaggggtgga ggcgaggcca
                                                                        240
ngatgcagcc tctgtgaaca ggtgcctgga ggctgggaaa tgaccctgag agggcaggac
                                                                        300
                                                                        360
acagenaceg ngggettaag gtgagggngg agageaagnt tggeecaett taeaatteta
gntcagagcc ancccctaac atggngggca tttattcatt tcgg
                                                                        404
      <210> 444
      <211> 318
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(318)
      <223> n = A, T, C \text{ or } G
      <400> 444
catgggctat agtgcgctat gttgatctgg tgttcatgct aagttccgca tcaatatngc
                                                                         60
gacttettng gagtggggga ccaccangtt geetaaggag gggtgaacet geetaegttg
                                                                        120
gaaatagagc tggtcaaaac tcctgtgctc atcagtagta gaattgcacc tgtgaatagc
                                                                        180
caccgcctc cagcntgggc aacatagcaa gaccctgcct cttaagataa aaattggaaa
                                                                        240
acactggtan gaaaaaaagg ctgtttggtc taaanaagtc tggatngggt ataaatgaca
                                                                        300
cnaanctatc atgactnt
                                                                        318
```

```
<211> 418
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(418)
      <223> n = A, T, C or G
      <400> 445
                                                                        60
ccaqtccaac ctgctcctca ttattgtata aatgagcaga atcaatatgg cggaagccag
cttcaattgc caatttggtg gcctctaaag ctttactttt aggaacctct gcaggcgcat
                                                                        120
aggtgccaaa tcccaggaca ggcatgaagt gaccatcatt cagcttcaca cactgatatt
                                                                       180
                                                                       240
togaatocat ttotgtoact agootggotg goaaatgttt otttottoot cootcacagg
                                                                       300
ctataaqagc aatgagctgg caacgcccct gagcacactg tctgctgntt aaccaatggc
atgtgagagg agggacagag gcagtcttac acaagctgtg ataaaaattg catncagttc
                                                                       360
aaccagtttc ttacnttatt ctaatgngna ggaagtgtgn gaagagcaca aagtcaga
                                                                       418
      <210> 446
      <211> 361
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(361)
     <223> n = A, T, C or G
      <400> 446
                                                                        60
ctgtccaatn acaacaggac cctcactcta ctcagtgtca caaggaatga tgtaggaccc
tatgagtgtg gaatccanaa cgaattaant gttgaccaca gcgacccagt catcctgaat
                                                                        120
                                                                       180
gtcctctatg gcccagacga ccccaccntt tccccctcat acacctatta ccgtccaggg
gtgaacctca gcntctcctg ncatgcagcc tctaacccac ctgcacagta tccttggctg
                                                                       240 .
attgatggga acntccagna acacnacaca agagetettt atetecanen tnaetganaa
                                                                       300
                                                                       360
gaacagcgcg actctatncc ttccaggggg ggggggtggg gnntgnggac cttnccgggc
                                                                       361
      <210> 447
      <211> 321
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(321)
      <223> n = A,T,C or G
      <400> 447
                                                                        60
ccagganant ggttccccaa aggggacctc acccgccccg agctctggag ccgctgacgc
                                                                       120
tcgcatccag gacatttgag atgggaatcc aaataggcta cttgnaaaag acgtgctgca
```

ngcagccctg gagagactca tggagttcat tgtacattac tccatctacc gaggcagcgc

180

atggcatgac tnaacggctt gnaacaaaca canaaattac caccacaaac attcaggaac caaatataat ctgctatggt cacaccacag acaatgcagg aagaggcttt ttattgctng ngtgngtttt caaatcatgt t	240 300 321
<210> 448 <211> 325 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(325) <223> n = A,T,C or G	
<pre>&lt;400&gt; 448  ccagcttcaa ctttttagta tagaagatac aggatcacaa aaaggagact acgctttgca aacatagcat caaaattcaa cttttctctt tgcagtttat ccatggngtc agcatacctt gcaagggaag ctacttacat caaataactt ttctatatac atttcctcat tgaccttttc tcaaagaata tcttggtttt gccgaacaaa cataatatag gngtctgcca gatccattcc tggtttctgt ngtgaaggaa aagcaggggg aacaaaataa tatcagggtc tcaatngtga nattattatt taatcatacc ctgan</pre>	60 120 180 240 300 325
<210> 449 <211> 123 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(123) <223> n = A,T,C or G	
<400> 449 cattaatntt ggaagcgatg gtgtggatta catcagtgtt agggcatggt gtggatatta ttacattann attggaagcg atggtgtgga ttacatcagt gatagggcac ggtgtggata tta	60 120 123
<210> 450 <211> 328 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(328) <223> n = A,T,C or G	
<400> 450  ctggcaattt tgagctgccg gttatacacc aaaatgttct gttcagtacc tagctctgct cttttatatt gctttaaatt tttaaagaaa ttatattgca tggatgtggt tatttgtgca	60 120 180

attagatttt agctggagct tttgactaat gtaaagtaaa	240 300 328
<210> 451 <211> 209 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 451 ctgccttgtt tcaacagaca tgcaaagatc ctaggagaca gtccccatag accttcagac attaaaaagg gagccgtaca gtttgtttga agcacttcgt cttacccatt tatgcagggg ccccaggaaa cttacacaca gccagaatga ggttcccaaa ggacttacat taattatggc tcttgcttcc tttcacaaat gagctgagg</pre>	60 120 180 209
<210> 452 <211> 457 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(457) <223> n = A,T,C or G	
<pre>&lt;400&gt; 452  ctgtctantc ccttcaagag ctgtttatag aagcttgaga atggggtaaa aatttctgct agcaaaatca agttctttt gaaatttat cagtaatcca gaatttagta gtccatgcct tctcactcag catttagaaa taaaaatgtg gtttcttaaa cgtatatcct ttcatgtata tttccacatt tttgtgcttg gatataagat gtatttcttg tagtgaagtt gttttgtaat ctactttgta tacattctaa ttatattatt tttctatgta ttttaaatgn atatggctgt ttaatctttg aagcattttg ggcttaagat tgccagcacc acacatcaga tgcagtcatt gttgctatca gtgtggaatc tgatagagtc tngactccgg ccacttggag ttgtgnactc caaagctaag gacagtgatg aggaagatgg catgtgg</pre>	60 120 180 240 300 360 420
<210> 453 <211> 277 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 453 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg gcatacagga ctaggaagca gataaggaaa atgactacga gggcgtgatc atgaaaggtg ataagctctt ctatgatagg ggaagtagcg tcttgta</pre>	60 120 180 240 277
<210> 454 <211> 198 <212> DNA <213> Homo sapien	

```
<400> 454
gttaaaagat agtaggggga tgatgctaat aatcaggctg tgggtggttg tgttgattca
                                                                         60
aattatgtgt tttttggaga gtcatgtcag tggtagtaat ataattgttg ggacgattag
                                                                        120
ttttagcatt ggagtaggtt taggttatgt acgtagtcta ggccatatgt gttggagatt
                                                                        180
                                                                        198
gagactagta gggctagg
      <210> 455
      <211> 608
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(608)
      <223> n = A,T,C or G
      <400> 455
ctgagcaagc taaggaccag gggcaactag accctaataa tgngtacttt tgaaaatgat
                                                                        60
acaaactacc ttggttgtaa gaagtgcagg ttgaacactt taggagaaca gtcttcaaac
                                                                       120
                                                                        180
tggcaattca aaatttccca ttatatgtga ataaaattgg aaggatgtta aatgtccatg
gaaagttact cttgtaagtt aggatgcctt atactgaggc tttanaatga aagtacactt
                                                                        240
                                                                       300
cacaaatgga atagtgaaca taaattacca gaagtcaaga taatagtcat actagtaagg
taagcaaggt aaattccctt atacacaaaa attattttga tgaccttttt caataatgaa
                                                                       360
                                                                       420 .
tctgaaatga agtgttttaa aaagctccct aaacacaaaa cgaacataaa actgcttaat
                                                                       480
aactttagag ctcatgtaat attcttgctg aaaacagtta ctgaaattac cagcgaaatg
atggaatate tttaaageag gneactengt ataatetgga ataattteat ttgetaaett
                                                                       540
ttaagaagta ttctctggac tataaatcnt gggcaaatag acttccactt tattattacc
                                                                       600
                                                                       608
ccaaatta
      <210> 456
      <211> 467
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(467)
      <223> n = A, T, C \text{ or } G
      <400> 456
cctggacctg tgtaaacctt caaacactct tttttacatt aggtcgtgaa gttaaatttt
                                                                        60
ttactgtttc tgtgctacag actcttcaaa gggaaatagt taagtcaatt tcaaagaaaa
                                                                       120
tgaccagcac atttttaaaa cattagaaat gatttgactt tgactatcta ctgccaaaaa
                                                                       180
aaggttaagg aatttgtaat gagaagctaa aaactttaag gaattttaag gaactcaaaa
                                                                       240
caaaaactca ttaaatgtaa ttaaagtgaa ttctacaaat aaagcctctt aatacatttc
                                                                       300
                                                                       360
tataatagtc acttaagact taaattcaaa cactagcaaa ccacaaaatc agactgtntg
actgacatcc aaaagataaa tataaatcaa aatccgaccc cagcattagc caaggggtag
                                                                       420
gtgttcctct tgaggaaggc aggaattcct cttctgccac ctgttgg
                                                                       467
```

```
<211> 183
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(183)
      <223> n = A, T, C \text{ or } G
      <400> 457
ccaaattttn tactttaaac actgaaaaca gaggaagtta ataaaaattt taacctataa
                                                                         60
                                                                        120
agtcccctgg ttgttagtca ttaacagcag attgtcagat aagactggta aaatgatggc
tgctaagcat ttgatgatcc aggcgcagga tgatcaaact gcagcagatc atgcacgtga
                                                                        180
                                                                        183
      <210> 458
      <211> 445
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(445)
      <223> n = A, T, C \text{ or } G
      <400> 458
gaaaaatata aagccaaaaa ttggataaaa tagcactgaa aaaatgagga aattattggt
                                                                         60
aaccaattta ttttaaaagc ccatcaattt aatttctggt ggtgcagaag ttagaaggta
                                                                        120
aagcttgaga agatgagggt gtttacgtag accagaacca atttagaaga atacttgaag
                                                                        180
ctagaagggg aagttggtta aaaatcacat caaaaagcta ctaaaaggac tggtgtaatt
                                                                        240
taaaaaaaac taaggcagaa ggtttttgga agagttagaa gaatttggaa ggccttaaat
                                                                        300
atagtagctt agtttgaaaa atgngaagga ctttcgtaac ggaagtaatt caagatcaag
                                                                        360
agtaattacc ancttaatgt ttttggcntt ggactntgag ttaagattat tttttaaatc
                                                                        420
ctgaggacta ncattaatgg gacag
                                                                        445
      <210> 459
      <211> 426
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(426)
      <223> n = A, T, C or G
      <400> 459
cctatgatan cttctctagc tatcatactc caatcagcaa aaaatgagaa aatgttgaga
                                                                         60
aatagaagat aatteeteat ttaaggeeae ettetagaat ttgtgettaa gattetgett
                                                                        120
tcttctcatg ggccagcact tcggcaactg gcaaaaatta ggtgtacagg gatctaggta
                                                                        180
atactgttta tttgagcaat aatatattgt gctaacgttc aggcatccta ttactgagaa
                                                                        240
                                                                        300
ataagggaaa atgagtgtaa agtacaacta agagtctcgg cgacagggaa aaataccatc
```

```
agttaaatat ccatagtcct agagcattta tgtaaaactg caatntgaat cctgcaatac
                                                                        360
athttggctt tttccctcag tgataccatg tgagggaagn ngctctgtca aggcgggccg
                                                                        420
                                                                        426
gataga
      <210> 460
      <211> 348
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(348)
      <223> n = A, T, C or G
      <400> 460
ccaaatttta aaatgttatt tttcatatca tttataacct tgtcacaatc cacttaaaga
                                                                         60
agtttggtta tatttcactg aaaattttct tccagagtag gttttttttc gtgggttggg
                                                                        120
gggtaacttt actacaatta gtaagtntgg tgcagaattt catgcaaatg aggagtgcag
                                                                        180
cagngtgata atttaaacat atntaaacaa aaacaaaaaa aatgaatgca caaacttgct
                                                                        240
                                                                        300
gctgcttaga tcactgcagc ttctaggacc cggtttcttt tactgatnta aaancaaaac
aaaaaaanta annacnttgt gcctgaaatg aancttgttt ttttntna
                                                                        348
      <210> 461
      <211> 378
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(378)
      <223> n = A, T, C \text{ or } G
      <400> 461
ccactaagac agaacggaat ctagtagaag tgcaccaatg cttcagtccc tcctactcag
                                                                         60 . •
catggtgagc agtggtcaat ctgtgccctg tggaatgatg ggcagataat tctggcatgt
                                                                        120
gtaaataata ataaataatt cacttggtgc aggcagtatg tctatgaatt aaaacctagt
                                                                        180
gtgtacacag tgcctacatg tgttacagcc ccacagtagg aatctacacc aaaatattta
                                                                        240
ttagaaggaa tttggtccgt actacatcac gctttccgga gggtaaaaaa taaagtccat
                                                                        300
ctatagacat ttcaccacag acccagagac tgagtctggc taaaacctgc aaaatgtcta
                                                                        360
                                                                        378
taacaaagn ggatggct
      <210> 462
      <211> 197
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(197)
      <223> n = A, T, C or G
```

```
<400> 462
gcgaggtcca cactattaaa agctgttggg taattgaagg tgatataaaa tgactgtcnt
                                                                         60
catttggagt gngcagcaca nttacttcat gttgctcang tttanaacaa tntcccctgn
                                                                        120
aaqttctcac acagatnggn agaaatcata cctanttntg gtnaatcact atggcagccg
                                                                        180
                                                                        197
tngaagaatn taagaga
      <210> 463
      <211> 279
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(279)
      <223> n = A, T, C \text{ or } G
      <400> 463
cataagtgat gangaggnaa aatcantnaa taagcctaca acntagaata cattaaaact
                                                                         60
tqcacatata catqttcaca gcatqtatac aatqataatc cctacqqttt aaccaaqtta
                                                                        120
tggttccctt ctacagcaga cacaaaacca aggtgaacta ggtnggcaga tgtanaggga
                                                                        180
ataccaaaaa aagggtaatn ngntcactga ttctgaagna tntgactgan catactgagc
                                                                        240
ttctgnactt tgggaatgca tnnaggnaac aatatcttg
                                                                        279
      <210> 464
      <211> 552
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(552)
      <223> n = A,T,C or G
      <400> 464
gatgggttga taggtgcagc aaaccaccct ggcgcatgtt taccaatgta acaaacctgc
                                                                         60
acateetgea caggtactee aaaactaaaa gtaaaaaaat etaaaagaaa aaagaaaaag
                                                                        120
aattaaaccc aaaatcactt ccccatctgg acttgattta gatgaaaagc ttctggactt
                                                                        180
tgagctgatg ctatagtggg ttgaaaattt tggggtcctc agaaggggat gaggatatat
                                                                        240
tgcatgagag agcaacatga atcatngaga gccagagtat agagagnggt gggtagactg
                                                                        300
taggagagee eteaatgate eeggetgtet tgtattegeg ttgeaettae ttgtataata
                                                                        360
tggcagatgg gatgtgatgt cactttcaag attangttat aaatagacta tggcttcaat
                                                                        420
cagagggttt tcttctctgt ctanctctct tttgggtagn ttcattctga gagaaagcca
                                                                        480
                                                                        540
nacctengee genaceeacg etaaggggeg anttecagen caetggegge engttactag
                                                                        552
tggatccgng ct
      <210> 465
      <211> 444
      <212> DNA
      <213> Homo sapien
      <220>
```

```
<221> misc feature
      <222> (1)...(444)
      <223> n = A, T, C or G
      <400> 465
ccactcttgg tagaaacctt gaaactttca ccttgctggg ctttagcaaa gtttcctttt
                                                                          60
acagttctgt ttatgagctt cagctactga taaagcactt cctgaacttc tctattatca
                                                                         120
tagngaccct ctgaataacc tgagtgactg gctcggcaat tcgctttata accattctta
                                                                         180
ttcccaaagt tggagcacat aaacatttag atgtcttttc ctgtaaaata ttctagacat
                                                                         240
ttacccaaac tctagttcaa catatactca acttgcactg tatatctccc tgcttttttg
                                                                         300
aqacaqaqaa qaaattcaqq aqqtgnccca tctccaqagt ttctctgttg gaaagcagcn
                                                                         360
atcaagaanc ctttaaaaaa ttggtgtnaa gctntgccnc ctgcagaaat gcntngcccc
                                                                         420
                                                                         444
acattattct tctggggnaa agna
      <210> 466
      <211> 381
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(381)
      <223> n = A, T, C \text{ or } G
      <400> 466
cctactatgg gtgttaattt tttactctct ctacaaggtt ttttcctagt gtccaaagag
                                                                          60
ctqttcctct ttqqactaac agttaaattt acaaggggat ttagagggtt ctgtgggcaa
                                                                         120
atttaaaqtt qaactaagat tctatcttgg acaaccagct atcaccaggc tcggtaggtt
                                                                         180
tqtcqcctct acctataaat cttcccacta ttttgctaca tagacgggtg tgctctttta
                                                                         240
gctgttctta ggtagctcgt ctggnttcgg gggtcttagc tttggctctc cttgcaaagt
                                                                         300
tatttctagt taattcatta tgcannaggt ataggggnta gtccttgcta tattatgctt
                                                                         360
                                                                         381 .
ggttataatt tttcatcttt c
      <210> 467
      <211> 95
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(95)
      <223> n = A, T, C \text{ or } G
      <400> 467
cctatanatt ntqqnttgta tactgggtcc tgaaaaccct cttggngctc tgtttttaag
                                                                          60
gagctgaanc caangancgc caataataat acttt
                                                                          95
      <210> 468
      <211> 224
      <212> DNA
      <213> Homo sapien
```

<pre>&lt;400&gt; 468 cagtgggtct ctgatgcctt gcctgcagca gaaggaggga gcagagatca agaggaagga aaaaatcata tgtacttatt tgaaggtaaa gattattcta aagagcccag taaggaagac agaaaatcat ttgaacaact ggtaaacctt cagaaaaccc ttttggagaa agctagtcaa gagggccgat cactccgaaa taaaggcagt gttctcatcc cagg</pre>	60 120 180 224
<210> 469 <211> 416 <212> DNA <213> Homo sapien	
<400> 469	
ctgagttcta gttcaaaagc tttatcctta acttcgtcat gtactatgta aattctagaa	60
tagaaaaggg aaaggtaaga ttttggtaac ctccaaacat tgaagtagtt cacagaccca	120
aagtcagtac aaattagaat gtccatccat aataaaagta tctataaaat tacacagaca	180
cattctacat agtatttaac attagagaag acaaattaca cagggactga aataaaatga	240
aacatctact ctcccgacaa atgttgaata tacctaatca acccaagttc agtttatttt	300
tgcacattgc tttagagata taacttggct gggcacagtg gctcacacct gtaatcccaa	360 416
cactttggga gaccaaggcg gatggatcac ttgaggtcag ttcgagacta gcctgg	410
<210> 470 <211> 376 <212> DNA <213> Homo sapien	
<400> 470	
caccttttaa ctgtatcaca aagtctgttg ctgtggttac agcctttgtt tccagtgatg	60
ttttgtccat gctttccccc aacccttaac aatggttact caaaagaatg aaataatgag	120
tcattcattc gggaatatgt taaaatatcc ctctttatca ttacatttca ctgcttagaa	180
actaggctgt aattcaaggc aacagttaag tctgagaact gttaaaaaaaa tctttgattt	240
tttttcattt ttaagaaaaa cctgcctatt taattgttca gacttgtaag aggttcttca	300
attacatcct ttttggttaa tgtattattt ctggaacaag tagataaaat tctacgcagt	360
aagcataata aaaatc	376
<210> 471 <211> 357 <212> DNA <213> Homo sapien	
<400> 471	
ggcttcgtat aatggttctt ttgtcacccc tgatcgacga tttcgctacc cgtacaactc	60
tgacaaggga acgaaatgct tctgtgtatt cacctagtgg tcctgtgaac agaagaacaa	120
caactccacc ggatagtgga gtactgtttg aagggttagg catttcaaca agacctagag	180
atgttgaaat teeteagttt atgagacaga ttgeagtaag gaggeeaact aeggeagatg	240
aaagatettt geggaaaatt caagaacaag atattattaa tittagaega aetetttaee	300
gtgctggtgc tcgagttaga aatattgaag atggtggccg ctacagggat atttcag	357
<210> 472 <211> 557 <212> DNA	

```
<213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(557)
      <223> n = A, T, C or G
      <400> 472
cngagatgac atttacaatc tcttgaaang cagcagatgg cactctggtg cttcctatga
                                                                        60
agcaacatgc ttgaaatcaa gggccaacaa ttgttgtagg aaagcaaaat atacctctaa
                                                                        120
cacctacgtt taccaaaaaa gctgacatct caaactctga gttgttgaga ctcaaatttc
                                                                        180
tcatccccaa agaagcctat tacggtagtg tgntggatgc tttttgtatc tctgataggc
                                                                        240
aggcactata atggggggaa atacttctga ataaaaacat tggctgtctt gcaactgtgc
                                                                       300
atataatgtc tattcaaggg ggcagtgtgc ctagcatgat cctgaaatgt tgagataaaa
                                                                       360
qqaaqttqqc attaaaqcac tatttqtctt atatqaaaaq aqtqactcta tcttccaqta
                                                                       420
aacaagantt cctgcaatga aaaagaaatt ttttccttca ttatctataa actatacaaa
                                                                       480
ataaccttcc tttttaacct aagactcaaa cattnatatt tgattttatt ctatttgata
                                                                       540
ccaattggta tgtccag
                                                                       557
      <210> 473
      <211> 264
      <212> DNA
      <213> Homo sapien
      <400> 473
cctccatcaa cagaaaggat aaagacccct tcgggtctcc tcattaattc tgaactggaa
                                                                        60 📜
aagccccaga aagtccggaa agacaaggaa ggaacacctc cacttacaaa agaagataag
                                                                       120
acagttgtca gacaaagccc tcgaaggatt aagccagtta ggattattcc ttcttcaaaa
                                                                       180
aggacagatg caaccattgc taagcaactc ttacagaggg caaaaaaaggg ggctcaaaaag
                                                                       240 .
aaaattgaaa aagaagcagc tcag
                                                                       264
      <210> 474
      <211> 165
      <212> DNA
      <213> Homo sapien
      <400> 474
aattcagctt ccagaggccc ttattagtcc ttgttgacag aaacatagat ttggcaactc
                                                                        60
ctttacatca tacttggaca tatcaagcat tggtgcacga tgtactggat ttccatttaa
                                                                       120
acagggttaa tttggaagaa tcttcaggag tggaaaactc tccag
                                                                       165
      <210> 475
      <211> 417
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(417)
      <223> n = A, T, C or G
```

<211> 100

```
<400> 475
aagttotott ottgttttaa acacattoot gataacttot aaagatgaco aaaataaaac
                                                                      60
agaatatcta cagagatcat tttctgaatt ttttgtacat ccaaggataa caacataaaa
                                                                     120
aaaataaaac tggacagcat tccacatcca agtgcacaga accatttttg caagattaaa
                                                                     180
taatgtaaac attgggaaca gccaaatcag cgaagaatgc caacacctca aaacacctgg
                                                                     240
tgttgccgct tcattaagtg gttcaaaatc cagatctata attgcgcaat attcaccgta
                                                                     300
tataaaaaga aatggatatt aattttgaca aatagctgca actgagactt ctttttattt
                                                                     360
417
      <210> 476
      <211> 321
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(321)
      <223> n = A,T,C or G
      <400> 476
catttaataa caaaaacaac ctgtacggaa aacccnaagg caaccacata gcatatgtaa
                                                                      60
aatgtgcaaa tacactttaa aatgcangtt attctatagc anttgcaaga tagaatttca
                                                                     120
ctgtaattag ggaatctagc tcatcctaac ttaatagnct tttgcatgtn tagacaatgc
                                                                     180
aattctacaa ggnacnactc agcgttgatg ctaaagtatg aaacacatcc tcagattatt
                                                                     240
catccgaaaa tattaaaata gcntcatgtt ttattattct ttaatgagtc ntgagctcat
                                                                     300
                                                                     321 .
ttctaaagct tcataaagca t
      <210> 477
      <211> 546
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(546)
      <223> n = A, T, C \text{ or } G
      <400> 477
gctgtggtta tattgtaaat gaagcatcta acatgtgcac aacttgcaac aaaaactcct
                                                                      60
tggactttaa atctgtcttt ctcagtttcc atgtgctgat tgatctgact gatcacacag
                                                                     120
gcaccettca tteetgtagt etcacaggaa gtgttgetga ggagaetttg ggetgeaegg
                                                                     180
tacatgagtt tcttgcaatg acaaatgaac agaaaacagc attaaagtgg caattcctct
                                                                     240
tggaaagaag caaaatttat ttaaaattcg ttctatcaca cagagcaagg agtggattga
                                                                     300
aaattagtgt actctcgtgc aagcttgcag atcctactga ggcaagcaga aacttgtctg
                                                                     360
gacaaagaca tgtttaaaac ggtctatcat tttgaactct ggaaaagtat aagagtttta
                                                                     420
actcccttta aaatggaata ttaatttgaa aattatgggg aaaattgcat tttgtttaca
                                                                     480
tgtggtgaac atgtttctag aaattggtat ggcgggaagg gggctgggtg agtctgaagg
                                                                     540
acctcn
                                                                     546
      <210> 478
```

```
<212> DNA
      <213> Homo sapien
      <400> 478
aagaaaagtg gtaaaatcaa gtcttcttac aagagggagt gtataaacct tggttgtgat
                                                                         60
                                                                         100
gttgactttg attttgctgg acctgcaatc catggttcag
      <210> 479
      <211> 508
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(508)
      <223> n = A, T, C \text{ or } G
      <400> 479
gnnttccaaa ttcttctaac tcttccaaaa gccttctgcc ttagttttt ttaaattaca
                                                                         60 :
ccagtccttt tagtagcttt ttgatgtgat ttttaaccaa cttccccttc tagcttcaag
                                                                        120
tattetteta aattggteet ggtetaegta aacaceetea tetteteaag etttaeette
                                                                         180
taacttctgc accaccagaa attaaattga tgggctttta aaataaattg gttaccaata
                                                                        240
atticctcat titticagig ctattitatc caattitigg cittatatit tictatcitc
                                                                        300 -
tatacttctc caatacttgt cttagcttgt ttttcatttt ctatctgaaa ctcttgacaa
                                                                        360
tatettetaa ttteeetate ttetetatte ttttettege etteeegtae ttetgettee
                                                                        420
agntttccac ttcaaacttc tatcttctcc aaattgttca tcctaccact cccaataatc
                                                                        480 . .
tttccatttt cgtgtagcac ctggncag
                                                                        508
      <210> 480
      <211> 81
      <212> DNA
      <213> Homo sapien
      <400> 480
ggtgcccttt tcctaacact cacaacaaaa ctaactaata ctaacatctc agacgctcag
                                                                         60
gaaatagata aggaaaatga c
                                                                         81
      <210> 481
      <211> 306
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(306)
      <223> n = A, T, C \text{ or } G
      <400> 481
tegeettegg eegeegggea ggttaggggn acaagaeget aetteeeeta teatagaaga
                                                                         60
gettateace ttteatgate aegeeeteat agteatttte ettatetget teetagteet
                                                                        120
gtatgccctt ttcctaacac tcacaacaaa actaactaat actaacatct cagacgctca
                                                                        180
```

gggaatagaa accgtctgaa ctatcctgcc cgccatcatc ctagtcctca tcgccctccc	240
atccctacgc atcctttaca taacagacga ggtcaacgat ccctccctta ccatcaaatc	300
aattgg	306
<210> 482	
<211> 582	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(582)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 482	
ggggggaaca gtcattatac attatttaga ctcattcctt cttccagtgc ccttatgatt	60
atttcctacc tttaccattg atcttaaact gngcaggcta aaaagaggaa ccagaactcc	120
cttaagcact tttaagacta tttaagaaaat aaagntttgt tggcattgaa gagtaagctg	180 240
cttaagggac tgaatgaaaa gatagtaccc tttgtggctg tatgaagaga gaaactgaat ttctatccaa gagaccttaa tntagcctat tagggaatta tcttccccaa aagtacaagt	300
aattttgcac tgcaggagaa ggataagtag atttgattta catcacattt tatacacacc	360
tttcaagang gagaaatctg cttcataaat agnaggaatc tatgcttaaa ctnaacattt	420
aatggtgacn tettacaaca geettgaaaa nnattggaan tengaentga nggnggaaac	480
tggaanaaag aatatettte tettetgeat cetttnatee teaaaettag catggattea	540
cacgctgagg aaangttngg tnacnaccng aacatttaga ta	582
<210> 483	
<211> 275	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(275)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 483	
gcctcactaa aataacagat ttcagtatag ccaagttcat cagaaagacc caaatggaat	60
gatttacaaa atagaacact ttaaaccagg tcagtcctat ctttttgtag ctgaaggcta	120
tcagtcataa cacaatttcg cgtacacctc tgctcattat ggaattacac ttaaaacgaa	180
totcaagagg gtgaccattg ttgtttcaga taccatccct aaggagagtg gttaacagga	240 275
agattgccag ngttactgat ggaaagaagc gcttg	275
<210> 484	
<211> 434	
<212> DNA <213> Homo sapien	
<400> 484	60
catatttcca caggccaatt tctttctgtt tttctgctaa gctatttcag cattttagct tttcctcttt gctttgttta ctcatgattg ccagatggct acgttacctc taagcatcag	120
constitution of the second constitution and constitution of the second cons	120

atcctcacaa attaatggtt aaatgtaagg gagggatttt actctcttgc attaaaaaaa agctttattg agatataatt tactgtaaca ttgactcatt taaagtatgc tagtcaatag accaaatctt gaataaactc ccattcacaa ttgctacaaa gggaataaaaa tagctgggaa tatagctaac aagggaagtg aagggcctct tcaaggagaa ctacaaacca ctgctcaaga aataagagag gatacaaaca aatggaaaaa cattccatgc tcatgaatag gaagaatcaa tatcgtgaaa atgg	180 240 300 360 420 434
<210> 485 <211> 291 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(291) <223> n = A,T,C or G	
<pre>&lt;400&gt; 485 ncaccactgc agccctacat acagttgaaa aaaaattcca ttctgttaac atttgtttta taagttttca cgcaatacac aaaaaacccc tctgcacttc ttgtaaagaa caaaaaagat acacaacagt taagcgtaaa gatcacaggc aatagcattc aaacatggat gtgggtagag aaaggagtac ctggcatgag tacctgctta gtttgactga atccttgatt tttaatttgg cttttcatgg gccgctcaca acaccaacgc tgtgtgaggt atggtagtca g</pre>	60 120 180 240 291
<210> 486 <211> 274 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 486  ctgtaatatt gtagttgctc cagaatgtca agggcagctt acggagatgt cactggagca gcacgctcag agacagtgaa ctagcatttg aatacacaag tccaagtcta ctgtgttgct aggggtgcag aacccgtttc tttgtatgag agaggtcaaa gggttggttt cctggagaa attagttttg cattaaagta ggagtagtgc atgttttctt ctgttatccc cctgattgtt ctgtaactag ttgctctcat tttaatttca ctgg</pre>	60 120 180 240 274
<210> 487 <211> 184 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(184) <223> n = A,T,C or G	
<pre>&lt;400&gt; 487 tggcaccaag attctcagct cacggtacca gcatctgatt gtcggactac ctgctgcttt ccctgatatt tatacatgat attcgnaaaa tgtaaagaag ctattattca tacagacatc tagagaagga gngaagnttt taaaaaaaata aaaaaatact tattcaagc tttagctgtg ttct</pre>	60 120 180 184

```
<210> 488
      <211> 393
      <212> DNA
      <213> Homo sapien
      <400> 488
ctgcattttt attgcgatct gcagatgaac tggaaaatct cattttacaa cagaactggg
                                                                         60
acagacgacc accatattca ctgaggtcta aatttgcagt ttccactaat gacattttga
                                                                        120
tttcccaaca gagatacttc tggtcttact gcacagtctt ttaagagaaa tacttccatt
                                                                        180
atgccacatt gtccttgatc cgtaagtgat gtgttaaggt gcttcaaagg aactctgacc
                                                                        240
tctgaagtac ttgagctact ttagtatgtc cagcctattg ctttttgttt tagtgtgtca
                                                                        300
ccataaatat caggggcata aaaggctatc tattcttaat tcaaggataa aacagaagaa
                                                                        360
                                                                        393
gcttgtggta taaaacaata gttcaagatc cag
      <210> 489
      <211> 607
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(607)
      <223> n = A, T, C \text{ or } G
      <400> 489
gtgcttatgt acttaagggg aactactcta actgggtgaa gagtangatg aagcatccat
                                                                         60
gtccctacaa aggatatgaa ctcatccttt tttatggctg catagtattc catggtgtat
                                                                        120
atatgccaca ttttcttaat ccagtctatc atcgatggat atttgggttg gttccaagtc
                                                                        180
tttgctattg tgaatagtgt cgcaatgaac atacatgtgc atgtgtcttt atagcagcat
                                                                        240
                                                                        300
gatttataat cctttgggta tatacccagn aatgggatag ctgggtcaaa tggtatttct
agttctagat ccttgtggaa ttgccacact gtcttccaca atggttgaac tagtttacag
                                                                        360
tcccaccaac agtgtaaaag tggtcctatt tctccacatc atctccagca cctgttggtt
                                                                        420
cctgactttt taatgattgn cattccaact ggtgtgagat ggtatatcac cgtgggtttg
                                                                      480
atttgcattt ccctgatggc cagtgatgat gaacnttttt tcatgtggtt tttggctgca
                                                                        540
taaatggcct gccttttnta cttctataaa atttttcann tcttattatt attcctgggg
                                                                        600
                                                                        607
gnttaag
      <210> 490
      <211> 179
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(179)
      <223> n = A, T, C \text{ or } G
      <400> 490
cttctaggaa tactagtata tcgctcacac ctcatatcct ccctactatg cctagaagga
                                                                         60
ataatactat cactgntcat tatagctact cccataaccc tnaacaccca ctccctctta
                                                                        120
```

```
qccaatattq nqcctattqc catactagtc tttgccgcct gcgaagcanc ggtaggacc
                                                                         179
      <210> 491
      <211> 399
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(399)
      <223> n = A, T, C or G
      <400> 491
cctctacctg taatcacatt aatttttcta aagacagggg nggtgttttg aagataaatg
                                                                          60
tcattagtct atgataatag catcatagga caattagcca ttttagactt gaccatattt
                                                                        120
tctcttttta gcatatagcc atcttgatat ttaggnggga gactactcca atggagcaac
                                                                        180
agtttcattt tacatgattg gatttagaaa tttacaaatt ttaaactcat aagaattcta
                                                                        240
aataatttga aaatggaaac atttgaccca cagtctagca gcataaatac atttataaaa
                                                                        300
tacttcattg ttgatcttag gtcattgatt taaaacagaa tttggtgact atgggcaggt
                                                                        360
ggagggggcc ngtgaggaag gtataaaaga gaaatcttt
                                                                        399
      <210> 492
      <211> 482
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(482)
      <223> n = A, T, C \text{ or } G
      <400> 492
ctccacctta ctaccagaca gccttagcca aaccatttnc ccaaataaag tataggcgat
                                                                         60
agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac
                                                                        120 4
caagcataat atagcaagga ctaaccccta taccttctgc ataatgaatt aactagaaat
                                                                        180
aactttgcaa ggggagccaa agctaagacc cccgaaacca gacgagctac ctaagaacag
                                                                        240
ctaaaagagc acacccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac
                                                                       . 300
aaacctaccg agcctggtga tagctggttg tccaagatag aatcttagtt caactttaaa
                                                                        360
tttgcccaca gaaccctcta aatccccttg taaatttaac tgttagtcca aagaggaaca
                                                                        420
gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta
                                                                        480
                                                                        482
gg
      <210> 493
      <211> 207
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(207)
      <223> n = A, T, C \text{ or } G
```

```
<400> 493
cataaatatt atactagcat ttaccatctc acttngngga atgctagtat atcgctcaca
                                                                          60
cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac
                                                                        120
totcataaco otcaacacoo actocotott agocaatatt gtgoctattg coatactagt
                                                                        180
                                                                        207
ctttgccgcc tgcgaagcag cggtagg
      <210> 494
      <211> 283
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(283)
      <223> n = A, T, C \text{ or } G
      <400> 494
ccaattgatt tgatggtaag ggagggatcg ttgacctngt ctgttatgta aaggatgcgt
                                                                         60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                        120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg
                                                                        180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg
                                                                        240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac cta
                                                                        283
      <210> 495
      <211> 590
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(590)
      \langle 223 \rangle n = A,T,C or G
      <400> 495
tatgtatata attttcttag ttactagcat agagaaatta ctgatttaaa aaaacatttc
                                                                         60
aaattctagc atgttgtagg attctattgc cctttctaaa aagtacatct tgcttatccg
                                                                        120
atttctaaca aaactattta atttgaagaa gggagaatga atttggataa aaagcaaaaa
                                                                        180
tttaaaggta ctcaaattta ggcaaaccat taaagcaatc ttagtttaca gttaattggg
                                                                        240
tagaatggtc aacactttct tcaggttagt tcatggagtg gatatgcatt gatagaacaa
                                                                        300
cttagagatg cttttacagt tgagaaagct cattatattt gttatcttta agaatcagct
                                                                        360
tatttatttc atatgtttgt tctttaagaa gaccaaagag ccctgcaaat gaatgttgat
                                                                        420
ttgttttttt gtttgtttaa tatttttgta gagataagat ctcactttgt tatgttgccc
                                                                        480
aggotggtot caaactotca acttgaagtg atotgoccac otcagootco caaagtggtg
                                                                        540
ggattacagg catgagccac cgcacctgga cctgcccggg cggncgctcg
                                                                        590
      <210> 496
      <211> 307
      <212> DNA
      <213> Homo sapien
```

```
<220>
    . <221> misc_feature
      <222> (1)...(307)
      <223> n = A, T, C \text{ or } G
     <400> 496
ggagattagt atagagaggn anacnttttt tcgngatatt tggtcacatg gataagtggc
                                                                      60
gctggcttgc catgattgtg aggggtagga gccaggtagt tagtattagg aggggggnng
                                                                     120
ttagggggtc tgaggagaag gttggggaac agctnaatag gttgttngnt gatttggnta
                                                                     180
aaaaacanta gggggatgat nctaataatt antgctgtgg gtggttgtgn tgattcaaat
                                                                     240
tatgngcttt ttcggagann catgtcangt ggtagtaaat ataattgttg ggaccattan
                                                                     300
                                                                     307
ttcttan
     <210> 497
      <211> 216
      <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(216)
     <223> n = A,T,C or G
     <400> 497
cattttcctc ttggtttctt cagttaagtc aaanngncac gttcctcttt ccccatatat
                                                                      60
tcatatattt ttgctcgtta gtgtatttct tgagctgttt tcatgttgtt tatttcctgt
                                                                     120 . ..
180
concnaantt gaaaaaatgn ttntttttcc ctnaca
                                                                     21.6
     <210> 498
     <211> 375
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(375)
     <223> n = A, T, C \text{ or } G
     <400> 498
gaatttcctg gcaccttttc tcgctagaga agattnngtg tgactgggtt gcctataagc
                                                                      60
catatagata caaactttta tctctaatac caagtcttag agggatatat taatagatct
                                                                     120
aataaattta ttcttagact tattgtttca tgggntagtg agtctttgct actggagaca
                                                                     180
atacagactt gtcagttttt ttaaaaaaaa aaaatttgcc aagctancac attaaaaana
                                                                     240
tntcctaagg ctntcatttt atgaggatga ttataaacnt ttntgngata aatatcacca
                                                                     300
taataaactg ttaagtacaa ctgcnggccn cccttanagn gaattcctnc agttanaaat
                                                                     360
ttatttttt gccaa
                                                                     375
     <210> 499
     <211> 215
     <212> DNA
```

```
<213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(215)
      <223> n = A, T, C or G
      <400> 499
ccacnaaagc agaagcttaa agcatagtag taaagaggnn aaaaagaagg acgaaaataa
                                                                        60
atcagatgac aaggatggta aagaagttga cagtagtcat gaaaaggcca gaggtaatag
                                                                        120
ttcactcatg gaaaagaaat taagtagaag gttgtgcgaa aatcggagag gaagcttgtc
                                                                       180
acaaaaaaaa aaaaaaaaaa aaaaaaaaa gtttt
                                                                       215
      <210> 500
      <211> 489
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(489)
      <223> n = A, T, C or G
      <400> 500
ccactacgat aagcaggtag ctgggttttg tagtgagntt gctccttaag ttacaggaac
                                                                        60
tctccttata atagacactt cattttccta gtccatccct catgaaaaat gactgaccac
                                                                       120
tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattggtacc
                                                                       180
agccttgggg aaccacctac acttgagcca caattggttt tgaagtgcat ttacaaggnt
                                                                       240
tgtctacttt cagttcttta ctttttacat gctgacacat acatacactg cctaaataga
                                                                       300
tctctttcag aaacaatcct cagataacgc atagcaaaat ggagatggag acatgatttc
                                                                       360
tcatgcaaca gcttctctaa ttatacctta gaaatgttct cctttttatc atcaaatctg
                                                                       420 .
ctcaagaagg gctttttata gtagaataat atcagtggat gaaaacagct taacatttta
                                                                       480
ccatgctta
                                                                       489
      <210> 501
      <211> 286
      <212> DNA
      <213> Homo sapien
      <400> 501
aaaaacactc aaacacagcc ttggagggag gagtcagttt taaaaagactc ttataaaagt
                                                                        60
aatatactgc tagctctgaa gaatcggagg ctaaaatcat ctcttcaagt ccccagggaa
                                                                       120
tcccaaagaa ctccagggga aggtgggatg ggccagagag ctctggaagc ttccaggtct
                                                                       180
gttgcaagcc tcacctggta cacagtaggc tcttccaggt ctgtcaggaa cccaggagcc
                                                                       240
teceetagea caeagtagge teacaaaaag ggageactge tgetgg
                                                                       286
      <210> 502
      <211> 168
      <212> DNA
      <213> Homo sapien
```

```
<220>
      <221> misc_feature
      <222> (1)...(168)
      <223> n = A, T, C or G
      <400> 502
cctatgattg tgggggcaat gaatgaagcg aacagagntt cgttcatttt ggttctcaga
                                                                         60 -
                                                                        120
gtttgttata attttttatt tttatgggct ttggtgaggg aggtaagtgg tagtttgtgt
                                                                        168
ttaatatttt tagttgggtg atgaggaata gtgtaaggag tatggggg
      <210> 503
      <211> 173
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(173)
      <223> n = A, T, C or G
      <400> 503
cctttataat aaattaggca aaaggttcag tgcnnggcta tantggacaa catgaaactc
                                                                         60
cataaaaatg actggatagg gggactgctt gagacttttc ttttgggcat tactaacaga
                                                                        120
attcaaagaa attccaacca cgcttatttt tccaaattct actgaaatga gag
                                                                        173
      <210> 504
      <211> 310
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(310)
      <223> n = A, T, C \text{ or } G
      <400> 504
tagtattcta tttaaaaatt aagttttggg gtctgtaaaa tatacaggac aatgactttt
                                                                         60
ttaaaatgta agttaatacc tcctcctcac ttgtcttaat tgaacttagg tgtttattct
                                                                        120
taaaggngga ccttgatgaa aatgttgaga tgggaagtgt tattaggcaa aacttgttat
                                                                        180
agatttctca tataactctt aattgaccct tagaatttta acaaccgcgc ctggcccaat
                                                                        240
agactgtttt ttagagtant tttaggctct cancaaaatt gaggggaaaa tacagggtgt
                                                                        300
                                                                        310
tcccattaaa
      <210> 505
      <211> 530
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1) ... (530)
```

## <223> n = A, T, C or G<400> 505 cctcagggaa cttacaatta tggcaaaagg ggaaggggaa gcaagcacct tcttcacaag 60 qcatcaggag agagagaaa agagagtagg ggaaactacc ccttttaaac catcatatcc 120 tqtqaqaact ccctcagtat tagaagagca tgagggaaac cgcctccata atccaatcac 180 ctcccaccag gaccatccct caatacatgg gggttacaat tcaagatgag gttcgggtgg 240 qqatacagat ttaaaccata tcagaatggt taatgatatt gttgtatttt accaactata 300 atcttcttag tgttatagta caataatgta aaaaattgag taaatttgtt ttctatatta 360 ttctqttttt qqaaaacatq tatataqtca qqqctqtttq tctcaaqaaa atatqqtaaa 420 ctctgctqtt ttggtcactg gtgcctagaa tttggggatg tacattggtt ttgattcaca 480 tqcacatttc cttctagttc acagtaacta tttctaacta tttcccnata 530 <210> 506 <211> 352 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(352) <223> n = A, T, C or G<400> 506 cttgaacgct ttcttaattg gtggctgctt ttaggcggta ctatgggtgn taaatttttt 60 actctctcta caaggttttt tcctagtgtc caaagagctg ttcctctttg gactaacagt 120 taaatttaca aggggattta gagggttctg tgggcaaatt taaagttgaa ctaanattct 180 atottggaca accagetate accageteg gtagettegt egectetace tataaatett 240 cccactattt tqctacataq acqqqtqtqc tcttttaqct qttcttaqqt aqctcqtctq 300 gtttcggggg tcttagcttt ggctctcctt gcaaanntat ttctagttaa tt 352 <210> 507 <211> 370 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(370) <223> n = A,T,C or G<400> 507 cctaactaga tcttatcaga atagggggga agggngtcgg ttcatcctta ttgagtgtta 60 atqaccctqt aaqatqtaat ttcttttatt tcattctqtt acctagaaaa tctatcacag 120 ccttgtagta ttgattgctc aatctataaa gagctcagtt tacagcatga ctgttagtaa 180 cagggntatt ttaatgagtg actcttcaac acctcagagt ttcactaaat tccaacccat 240 cagcccagta gtctaacatt aagggtctta ggaaatgaga acttatcacc tttccttatc 300 atgaaaaggt aacctccagg taaccaaaaa tagaacttcc tctgtgttcg ttttttatag 360 370 aaattactgg

```
<211> 129
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(129)
      <223> n = A, T, C or G
      <400> 508
                                                                         60
ctgttaaaag aacaaactta gcaatatata acagttnggt aacaggattt ttgactattc
actttqqqaq ttattttaa aaatccactt ttttactqaq tcttactaca taccaqqcac
                                                                        120
tgtacttgg
                                                                        129
      <210> 509
      <211> 422
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(422)
      <223> n = A, T, C \text{ or } G
      <400> 509
ntgggaagtc gtgacatcca tgggaaccca gcgctgtgat gctggtgttt gngttctccg
                                                                         60
cgagaagtga ccattgttgg agcaccatcc agagctagtg accantncag tggacagtta
                                                                        120
gtgggagaat caaaaatcct ttccagaatg tctgtttctc actacntgca ccgggngatt
                                                                        180
acaggcacca gtgcagngat gattgtactt atttgacaca tactccccgt cntcctggnt
                                                                        240
nttgttcctg anaanggtgg gtaaatattc caggaaaaan aatgcacatt gaatggatgt
                                                                        300 .
gagagaccac attgcctctc ccactgcttt ggggagcact ttcctgtcat ttctaactta
                                                                        360
ccacntgctt ggtgtactat atgtatgttg tgcctcatat gttgcaaaga actaangtga
                                                                        420
                                                                        422
gt
      <210> 510
      <211> 238
      <212> DNA
      <213> Homo sapien
      <400> 510
ccacctatga attggtggtt tacctactca atggatagca gcacgaggac tgctgtactg
                                                                         60
cacaaaaaga agaccaaaag attacagtgg accatgggat acagaagcca gcatggcaga
                                                                        120
cagaagaaaa atagtttggg aacatgtaac tatcctaagt ggaagttttg ttgtaggaat
                                                                        180
tatagtaatc acaccacatt acttggcctt tcggtaatgt gaaaaaaaaa aaaaatcc
                                                                        238
      <210> 511
      <211> 254
      <212> DNA
      <213> Homo sapien
      <220>
```

```
<221> misc feature
      <222> (1)...(254)
      <223> n = A, T, C \text{ or } G
      <400> 511
conattgatt tgatggtaag ggagggatcg ttgnggctcg tctgttatgt aaaggatgcg
                                                                         60
tacggatggg agggcgatga ggactaggat gatggcgggc aggatagttc agacggtttc
                                                                        120
tatttcctga gcgtctgaga tgttagtatt agttagtttt gttgtaagng ttaggaaaag
                                                                        180
ggcatacagg actaggaagc acgataagga aaatgactat gagggcgnga tcatgaaagg
                                                                        240
tgataagctc ttct
                                                                        254
      <210> 512
      <211> 269
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(269)
      <223> n = A,T,C \text{ or } G
      <400> 512
cctacctgta aactacagta ctttatatat ctatgggntt aataaaaana aaatccacaa
                                                                         60
atcttaaaaa ggaactttaa atgcagggct atattgaatt ggnaaactgc aacacaaact
                                                                        120
ggcgcaacat aggtaaatga ataccaatct cactctatgt gatgcaagca tgctactttc
                                                                        180
                                                                        240
ccactaattt aaattacttt caaccactat gagccagaat gcatgcctga accttaaact
qcactttaaa aagtaacatc ttggcctaa
                                                                        269 · .
      <210> 513
      <211> 266
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(266)
      <223> n = A,T,C or G
      <400> 513
ggaggggggt tgttaggggg tcggaggaga aggntgggga acagctaaat aggttgttgt
                                                                         60
tgatttggtt aaaaaatant agggggatga tgctaataat taggctgtgg gtggttgtgt
                                                                        120
tgattcaaat tatgtgnttt ttggagagnc atgncantgg tagtaatata attgttgaga
                                                                        180
cgattagttt tagcattgga gtaggtttag gttatgnacc gtactctagg ccatatgtgt
                                                                        240
                                                                        266
tgganattga nactagtagg gctagg
      <210> 514
      <211> 271
      <212> DNA
      <213> Homo sapien
      <220>
```

```
<221> misc feature
      <222> (1)...(271)
      <223> n = A, T, C or G
      <400> 514
acatgcaana aatcgagaat cttaaaaaac annacgaanc tgccctggaa nncttactgg
                                                                         60
nntangatat ttatnttgcg gctgagatac ttgaacaact tcggatcnga antagacaan
                                                                        120
aangggnant thtatactgc nncagaggtt acacagntca ttgtattaga gangaacana
                                                                        180
tgggtctggt gttcacacat tggggggaan atgggcgtnn acangagagg nnganaaacn
                                                                        240
anganageet neetggttng cataanaaaa a
                                                                        271
      <210> 515
      <211> 328
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(328)
      <223> n = A, T, C or G
      <400> 515
ccaatgaggg gcaaagtgag cgncnagaag angttttgac tgaaataaat caaacacaaa
                                                                         60.
aatntaagtt cacagtgaca gtttaaacaa aatccaaaca aactaacaac anaaacaccc
                                                                      120
cttgntttgc ctctagtgga aggtgggana acacaanctc gtcctaaaaa ttgactagta
                                                                        180
aaqqqqaaaa cccqgtcatt tncctactct ttccangaaa tatctaatgc aagaaagaac
                                                                        240 ....
ttctnctcat tatacngaag gaatttngaa aaatgatgta tttttggaac acctaantga
                                                                        300 -
aatactggaa cctgggcaag ttcaccac
                                                                        328
      <210> 516
      <211> 220
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(220)
      <223> n = A, T, C \text{ or } G
      <400> 516
ncctnagttg aaggaccca tgtacataca ggccagggga gcagtactag gntaactaga .
                                                                         60
aggateteat ecceatatgt gggeteattt caagtetatg gatgaetace tteattgntg
                                                                        120
tgtgcgagat ggtttcaccc cttgaaaata tgggcacttc ancataanat agcnaaatct
                                                                        180
ttataatgat caatncatcc tacctccttt tacatgcatg
                                                                        220
      <210> 517
      <211> 296
      <212> DNA
      <213> Homo sapien
      <400> 517
```

```
tgcgatttct tccttgttgt ttgctttggt ctgtgttcaa tccagagagc ttaaattgtc
                                                                     60
attattttgg gaagaaaacc tgtatttttg ttagtttaca atattatgaa atttcacttc
                                                                    120
aggagaaact gctgggcttc ctgtggcttt gttttcttag tttcttttc cgtgccgtgt
                                                                    180
                                                                    240
attittaat tgattittct tcttttactt gaaaagaaag tgttttattt tcaaatctgg
tccatattta cattctagtt cagagccaag ccttaaactg tacagaattt ccactg
                                                                    296
      <210> 518
      <211> 299
      <212> DNA
      <213> Homo sapien
     <220>
      <221> misc_feature
      <222> (1)...(299)
      <223> n = A,T,C or G
      <400> 518
gaagatagaa aaatataaag ccaaaaattg gataanatag cactgaaaaa atgaggaaat
                                                                     60
tattggtaac caatttattt taaaagcccg tcaatttaat ttctggtggt gcagaagtta
                                                                    120
gaaggtaaag cttgagaaga tgagggtgtt tacgtagacc agaaccaatt tagaagaata
                                                                    180
                                                                    240
cttgaagcta gaaggggaag ttggttaaaa atcacatcaa aaagctacta aaaggactgg
tgtaatttaa aaaaaactaa ggcagaaggc ttttggaaga gttagaagaa tttggaagg
                                                                    299
     <210> 519
     <211> 464
     <212> DNA.
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(464)
     <223> n = A,T,C or G
     <400> 519
                                                                     60
gctgcacatc ggaggaaaac tcggtaaagc agaatgaggt tgatatgttg aatgtatttg
attttgaaaa ggctgggaat tcagaaccaa atgaattaaa aaatgaaagt gaagtaacaa
                                                                    120
                                                                    180
ttcagcagga acgtcaacaa taccaaaagg ctttggatat gttattgtcg gcaccaaagg
atgagaacga gatattccct tcaccaactg aatttttcat gcctatttat aaatcaaagc
                                                                    240
attcagaagg ggttataatt caacaggtga atgatgaaac aaatcttgaa acttcaactt
                                                                    300
tggatgaaaa tcatccaggt atttcataca gtttaacaga tcgggaaact tctgtgaatg
                                                                    360
tcattgaagg tgatagtgac cctgaaaagg ttgagatttc aaatggatta tgtggtctta
                                                                    420
acacatcacc ctcccaatct gttcagttct ccagngtcaa aggc
                                                                    464
     <210> 520
     <211> 221
     <212> DNA
     <213> Homo sapien
     <400> 520
                                                                     60
acatgcccca cattagatct ctagactcat tcatcctaca tacctacttt gtatcctttg
                                                                    120
```

acctacatet cectaettee teetecagte eccaeecec acceaetggt getaaceaet	180
gtttcattcc ctttttcatt ctacatatgt gagatcatgc t	221
<210> 521 <211> 312	
<212> DNA <213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(312) <223> n = A,T,C or G	
(223) II = A,1,0 OF G	
<400> 521	60
ctgatagett tetettegee tagattaata tettetnnet teccatteae ageeeecaee gaeateaaag etttgetgtt ttatetgtea aaaatgtett cacaetttte attettaaat	120
aaaagtgctg agtaaggaca ttttcacaac aaattttat tttacaaaac ttacaatgat	180
ttgaatccaa aacaactttc attatttaac tgtaaagtaa atatattt tattaggngt	240
gtcttagttc attttgtgct gctttaacag tgtatccttg tgatagttgt ggggtggggg aggggggaag ga	300 312
<210> 522 <211> 336	
<211> 336 <212> DNA	
<213> Homo sapien	
<400> 522	
ccttctttcc ccactcaatt cttcctgccc tgttattaat taagatatct tcagcttgta	60
gtcagaccca atcagaatca cagaaaaatc ctgcctaagg caaagaaata taagacaaga	120
ctatgatatc aatgaatgtg ggttaagtaa tagatttcca gctaaattgg tctaaaaaag aatattaagt gtggacagac ctatttcaaa ggagcttaat tgatctcact tgttttagtt	180 240
ctgatccagg gagatcaccc ctctaattat ttctgaactt ggttaataaa agtttataag	300
atttttatga agcagccact gtatgatatt tttaag	336
<210> 523	
<211> 172	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(172) <223> n = A,T,C or G	
(223) II = A,1,C OI G	
<400> 523	
ngacnggene ntggetatgt ntatagatag ggetttaace actatetgng aageangagn gacannatte ttgeteteae atneeaengg anaegtattt etettetet aenagegaag	60 120
aaccatcint tictaaagcc cocattciat tgcccttgct titctctggc tt	172
<210> 524	

<210> 524 <211> 471

```
<212> DNA
      <213> Homo sapien
      <400> 524
ccaqacctgc agaaaaactt agcacagctc aatctgctgt tttgatggct acagggttta
                                                                       60
tttggtcaag atactcactt gtaactattc caaaaaattg gagtctgttt gctgttaatt
                                                                      120
tctttgtggg ggcagcagga gcctctcagc tttttcgtat ttggagatat aaccaagaac
                                                                      180
taaaagctaa agcacacaaa taaaagagtt cctgatcacc tgaacaatct agatgtggac
                                                                      240
aaaaccattg ggacctagtt tattatttgg ttattgataa agcaaagcta actgtgtgtt
                                                                      300
tagaaggcac tgtaactggt agctagttct tgattcaata agaaaaatgc agcaaacttt
                                                                      360
taataacagt ctctctacat gacttaagga acttatctat ggatattagt aacatttttc
                                                                      420
taccatttgt ccgtaataaa ccatacttgc tcaaaaaaaa aaaaaacctt c
                                                                      471
      <210> 525
      <211> 332
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(332)
      <223> n = A, T, C \text{ or } G
      <400> 525
ccccnctqta ttccagcctg ggtgacccca tctcanggaa gaaaagttac cagatgtcgn
                                                                      60
gggtaaaggt tggtcttcaa gtggcctcat aagttgtctt gcatttaaat tcagggaatt
                                                                     120
cattggacca ataggttaca ttttcgttcc ttttttgttt tggttcatct gttaagcagt
                                                                     180
gggggcctaa ttactgctcc tttgtaaaaa cacattttcc caaagaacac tgaattaccg
                                                                     240
ttcaaactqq ttqttqatqq qtaataaggg ctgtttttgc tgccccaaaa gggcttaaca
                                                                     300
atttaggcgg atagtttact taaaaaaaaa aa
                                                                     332
      <210> 526
      <211> 440
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(440)
      <223> n = A, T, C \text{ or } G
      <400> 526
ccaggttacc tcccctaaca gatgtggtgt tctgangggt tggttaagtg cccgaggaaa
                                                                      60
ataggcctta actqttaaca tctacagaga agaaagcatg gtcacactgg caaggagtaa
                                                                     120
gaagggattg ggtaaaagaa aatgggagag aaaagggaaa aaagttttgg caagacaatt
                                                                     180
240
nctgtctctc tgatcagngg aaaagtgaaa atttctagta tctagcacta acgtatgacc
                                                                     300
caactttgag ggatcacaag ctagaacaag ttgaggattt aaaatcctgg ataattatat
                                                                     360
acttaaagtt catgagcata aagctcactt gaccatgcag aaatgctggg aagcagggtg
                                                                     420 ·
                                                                     440
catggcatgg gaatacatct
```

```
<210> 527
      <211> 124
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(124)
      <223> n = A, T, C or G
      <400> 527
tttccatatg tctgttgggt gcataaatgn cttcttctga gaagtgtctg ttcctatcct
                                                                          60
ttgccccctt tttgaggact taaatgttag acctaagacc ataaaaaccc tagaagaaaa
                                                                         120
                                                                         124
ccta
      <210> 528
      <211> 162
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(162)
      \langle 223 \rangle n = A,T,C or G
      <400> 528
ctgcgggaga aatatgggga caagatgttg cgcangcaga aaggtgaccc acaagtctat
                                                                          60
qaaqaacttt tcaqttactc ctgccccaag ttcctgtcgc ctgtagtgcc caactatgat
                                                                         120
aatqtqcacc ccaactacca caaagagccc ttcctgcagc ag
                                                                         162
      <210> 529
      <211> 409
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(409)
      <223> n = A, T, C \text{ or } G
      <400> 529
cctttaaaat atagcttata aaatgtatac tatnngccag gagagctcac atttttctgc
                                                                          60
agttttccag tggacctgcc tatggaatac tgtaaagaaa aatctgcaaa aatattccta
                                                                         120
qcaattgaat cagtgctttt aaataaaaga agtggagagg ggcttggtta aattattctg
                                                                         180
acaagttttc ttgctagtgg ttgccaaaat taaggatatt tgaagtgtcc tatcacccaa
                                                                         240
atttggcttt aagaaaaagc tatattctgn gtctataggg tgaagcccac actatctgtg
                                                                         300
ctqcattctc aatqatacaa tacctatctg gaaactttcc tgttttgcca atgggtgcac
                                                                         360
aaatctaaaa cattttatca caaaaggtac ttgaatttaa atttctttt
                                                                         409
      <210> 530
      <211> 325
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(325)
      <223> n = A,T,C or G
      <400> 530
                                                                          60
ccgccagtgt gatggatatc tgcagaattc gccctttcna gatttgngcc cgggcaggtc
catggctagg attatagata gttgggtggt tggggnaaat gagtgaggca ggagtccgag
                                                                         120
gaggttagtt gtggcaataa aaatgattaa ggatactagt ataagagatc aggttcgtcc
                                                                         180
                                                                         240 -
tttagtgttg tgtatggcta tcatttgttt tgaggttagt ttgattagtc attgttgggt
                                                                         300
ggtaattagt cggntgttga tganatattt ggaggtgggg atcaatagag ggggaaatag
                                                                         325
aatgatcagt actgcggcgg gtagg
      <210> 531
      <211> 173
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(173)
      \langle 223 \rangle n = A,T,C or G
      <400> 531
ccaattgatt tgatggtaag ggagggatcg ttgaccncgt ctgttatgta aaggatgcgt
                                                                         60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                        120
                                                                        173
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt tag
      <210> 532
      <211> 395
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(395)
      \langle 223 \rangle n = A,T,C or G
      <400> 532
caggicctac taigggigtt aaattitta cicictctac ngggittitt cctagigtcc
                                                                         60
aaagagctgt tcctctttgg actaacagtt aaatttacaa ggggatttag agggttctgt
                                                                        120
gggcaaattt aaagttgaac taagattcta tcttggacaa ccagctatca ccaggctcgg
                                                                         180
taggtttgtc gcctctacct ataaatcttc ccactatttt gctacataga cgggtgtgct
                                                                         240
cttttagctg ttcttaggta gctcgtctgg tttcgggggt cttagctttg gctctccttg
                                                                         300
caaagttatt tctagttaat tcattatgca naaggtatag gggntagtcc ttgctatatt
                                                                        360
                                                                         395
atgcttggnt ataatttttc atctttccct tgcgg
```

```
<211> 290
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(290)
      <223> n = A, T, C \text{ or } G
      <400> 533
ctgaaccatt atgggataaa ctggtgcaaa ttctttgcct tctctacttc tcactgattg
                                                                         60
aacataagct tccagggctc ccctgaaaac caaaatgaaa acaatgtcaa aatattagat
                                                                        120
aaatcacata aaacagttaa ggggatacca atatataaaa attattaggt aagctcattt
                                                                        180
                                                                        240
ctggaactgt taatgctcgg tttcacaatc caagnngacc aacagccttc actcagntac
tggnagtgnt actatggtta ctacngntac tacctttagt gtnaaaaact
                                                                        290
      <210> 534
      <211> 334
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(334)
      <223> n = A,T,C or G
      <400> 534
ccgccagtgt gatggatatc tgcagaattc gcccttagcg agnnagccgg gcaggtccat
                                                                         60
ggctaggttt atagatagtt gggtggttgg tggggnatga gtgaggcagg agtccgagga
                                                                        120
ggttantttg tggcaataaa aatgattaag gatactagta taagagatca ggttcgtcct
                                                                        180
ttagtgttgc gtatggctat catttgtttt gagggtagnt tgattagnca ttgttgggng
                                                                        240
gtaattantc ggctgttgat ganatatttg gaggtgggga tcaatanagg gggaaatana
                                                                      300
atgatcagtn ctgcggcngg tnngacctcn gccc
                                                                        334
      <210> 535
      <211> 557
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(557)
      <223> n = A,T,C \text{ or } G
      <400> 535
nccataagct tcagtgcgca aaaggtcaag gccagtgtta atttgttatt tcttaaataa
                                                                         60
ctttcccttt catttttaaa ttataaattt aacttctaac atgttttatg gttaaaattg
                                                                        120
                                                                        180
tacttttttc ctttagcgac attcaaatgc atcacaatca ctttgtgaaa ttgttcgcct
                                                                        240
gagcagagac cagatgttac aaattcagaa cagtacagag cccgaccccc tgcttgccac
tctagaaaag tatgtgtaaa actctgttct tgttcttctt tcatattgat gctgttccat
                                                                        300
gtgttaccat tgtgagtggt tggtaagtgt tccttatgtg ggaatcatgt gccttgaaaa
                                                                        360
```

taaccttggg tgggtgagaa ggtagggaaa cctgcttctt ttatctcaag taaaagtttt ggcagggtaa agaagataaa tgacatttat atctagactt ttgagttttc caattatttg gtaaaaatgg gaaattctgt agaagccctt ccttaaaaat gggggaagtc catttnanaa aattaactgg taggtca	420 480 540 557
<210> 536 <211> 372 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(372) <223> n = A,T,C or G	
<pre>&lt;400&gt; 536 gttccaacct tcatttctga aactgttcta gagcacngtg tctttctcgt agttcataac ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta agctcctaga agataaggac tagggagttc atctctgtat tccaccagaa ggtacagtga ctcatatcta gagtctttag atgaaactta ctgagttgaa taacttaata tatttctgtt ttcattccca agggaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac tataccattt cagtggagaa aattgttggg aaatttgggg ggatggat</pre>	60 120 180 240 300 360 372
<210> 537 <211> 284 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(284) <223> n = A,T,C or G	
<pre>&lt;400&gt; 537  ccttctgatg caaacagaaa ggaaatgttg tttggangcc ttgctagacc tggacatcct atgggaaaat ttttttgggg aaatgctgag acgctcaagc atgagccaag aaagaataat attgatacac atgctagatt gagagaattc tggatgcgtt actactcttc tcattacatg actttagtgg ttcaatccaa agaaacactg gatactttgg aaaagtgggt gactgaaatc ttctctcaga taccaaacaa tgggttaccc agaccaaact ttgg</pre>	60 120 180 240 284
<210> 538 <211> 293 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 538 gtacatagta ggtgtatata tttatgggct atataagatg ttttgataca ggcatgtaat gtgaaacaag cacatcaaca agaatggggt atccatcccc taaaacattt gtcctttggg ctacatgtca tttcctaatg taaagaaaat ggacagacag aaccaacatt gatttgactg ggtgaaaaag tccatttgag ttgggagcag gggttgtgtt cctggatttg ggttgttagg</pre>	60 120 180 240

acagtgtaaa aaggcttcac aggggaacat tcttttctga taaaggaaag cag	293
<210> 539	
<211> 468	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(468) <223> n = A,T,C or G	
<223> N = A,1,C OI G	
<400> 539	
tttcnataaa ctttattttt agagcagttt taagnnggta gcaaaattga ttagaaggna	60
cagagatgtc ccatacacct cctactccca cacatgcaca gccttcccca ttatcaatag	120
cccccaacag agggatacat ttgttaacaa ctgacgaacc tacatatcat tatcacccaa	180
agtccacagt ttatattatt ccttctggag aattttcaaa tacagaaatt cctctaccag	240
gaataaacta ncaatttcct ctcggctttc tataaattta attattattt cagaaattag	300
cctatcttta caggagaaaa tgttataaac catgaaaaga ctatcaaata cacaaggaag	360 420
tgaatgntat ataaaaaatg taccatctcc taaacaacta cctgcattcc cttcttgttg qtaaqttata atttgnnata gttctgatca tctgtttaat taatttgc	468
graagerata acceginiata gerengarea recigereaat taarrege	400
<210> 540	
<211> 397	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) (397)	
<223> n = A,T,C or G	
<400> 540	
ctgttttatt aatteeceea tttgeageae aettntetet teeaaeatte ateagteaga	60
tragagtrea regetetete aaaatttaga taaartgget tarattttgt aatgatgtee	120
ccagacaaca ccccactcca acccattctg tttgttacta ttagtttaca acatgcatgt	180
gcctttactt tcattttcat agtatttaaa aatggaaggg cactcccaaa tttactttaa	240
cccctttaat aatctctctc ctcctgctct ctctggtcct ccagacaact gttgatttac	300
tttcctttat gatggattag tttgcatttt ctagaatttt atatgactga catataaagn	360
ttttatgttt ctcccctttg ggtttcttca tgtggca	397
<210> 541	
<211> 248	
<212> DNA	
<213> Homo sapien	
<400> 541	
cctagatagg ggattgtgcg gtgtgtgatg ctagggtaga atccgagtat gttggagaaa	60
taaaatgtgc atagtggggg ttttatttta agtttgttgg ttaggtagtt gaggtctagg	120
gctgttagaa gtcctaggaa agtgacagcg agggctgtga gttttaggtg gagggggatt	180
gttgtttgga agggggatgc gggggaaatg ttgttagcaa tgagaaatcc tgcgaatagg	240

cttccggc	248
<210> 542 <211> 366 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(366) <223> n = A,T,C or G	
<pre>&lt;400&gt; 542 aatcggccct ctagatgcat gctcgagcgg ccgccagtgt gatggatatc tgcagaattc gcccttgagc gatancgcgg gcaggtccaa ttgatttgat ggtaagggag ggatcgttga ccncgtctgt tatgtaaagg atgcgtaggg atgggagggc gatgaggact aggatgatgg cgggcaggat agttcagacg gtttctattt cctgagcgtc tgagatgtta gtattagtta gttttgttgt gagtgttagg aaaagggcat acaggactag gaagcagata aggaaaatga ctatgagggc gtgatcatga aaggtgataa gctcttctat gatagggaa gtagcgtctt gtanac</pre>	60 120 180 240 300 360 366
<210> 543 <211> 460 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 543  cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg ggcaaccagc tatcaccagg ctcggtaggt ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctcttt agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag ttattctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt ctatcgccta tactttattt gggtaaatgg tttggctaag</pre>	60 120 180 240 300 360 420 460
<210> 544 <211> 116 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(116) <223> n = A,T,C or G	
<400> 544 ccgccagtgt gatggatatc tgcagaattc gccctttgga gngctngcgc ccgggcaggt ctgtttcagc agctcctcct tcttcttccc gcgangatct cgagccttga tcttgg	60 116

<210> 545

```
<211> 380
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(380)
      <223> n = A, T, C or G
      <400> 545
cgacggatcg atnagctnga tatcgaattc ggacgagcat ggcgtattgc tgcagatatg
                                                                        60
gattetteag aatgeteeat gacaaatgta etgaegggaa gnenatetaa aggaggeatt
                                                                       120
gtnatgagag aaaggtctcg agctccagat aaagagagat acagagttct tggaattgga
                                                                       180
gttgcagaaa cagtaagaca atcgattgtg gggaagcgtt cttttagaga atctttggcc
                                                                       240
ttcactccaa agcgttgttc ttcatcaata ataagtagct cgtgccgaat tcctgcagcc
                                                                        300
cgggggatcc actagttcta gagcggccgc caccgcggag gagctccagc ttttgttccc
                                                                        360
tttagtgagg gttaatttcg
                                                                        380
      <210> 546
      <211> 418
      <212> DNA
      <213> Homo sapien
      <400> 546
ccagggcaat taggcaggag aaggaaataa agggtattca attaggaaaa gaggaagtca
                                                                        60
aattgtccct gtttgcggat gacatgattg tatatctaga aaaccccatt gtctcagccc
                                                                       120
aaaatctcct taagctgata agcaacttca gcaaagtttc aggatacaaa atcaatgtac
                                                                       180
aaaaatcaca agcattctta tacaccaata acagaccaac agagagccaa attatgagtg
                                                                       240
aactcccatt cacaattgct tcagagaata aaatacctgg gaatccaact tacaagggat
                                                                       300
gtgaaggacc tcttcaagga gaactacaaa ccactgctca aggaaataaa agaggataca
                                                                       360
aacaaatgga agaacattcc atgctcatgg gtaggaagaa tcaatatcat gaaaatgg
                                                                       418
      <210> 547
      <211> 172
      <212> DNA
      <213> Homo sapien
      <400> 547
cctgaggttg ggagaaattt tgtccatttc tttagaacca aaattggcaa ccagagagta
                                                                        60
tttggatgtt acacaaaata tctagtttcc ctttctagcc taaattgggt tgtttatagc
                                                                       120
acccgtctct ccatttgaga aaaatggtta ggatgctggt gcagggatga gg
                                                                       172
      <210> 548
      <211> 367
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(367)
      <223> n = A,T,C or G
```

```
<400> 548
ggtctgactt aagagaaaca atggaaggca agaggcagta gaataatata ttcaaaagat
                                                                         60
qcaaaqqaaa aaaacctctc agccacgaat tccttatcca gcaattattt ttcaaaaaatg
                                                                         120
aaaataacac aaagacttag ccagataaac agaaacatta actgaagttg ttgctggcag
                                                                         180
acctaccata taaaaataaa aaactctaaa aaaattccta tggctaaaag caagttacag
                                                                         240
aaqacagtca cttgaatcca cattttaaaa aaagcactga tatacgtaat attgacatta
                                                                         300
taaaagacag taaaaatgca tttcttcttt ataataaatn gcttattaaa taacatgtgt
                                                                         360
                                                                         367
ataatgg
      <210> 549
      <211> 418
      <212> DNA
      <213> Homo sapien
      <400> 549
ccaaatcaga acctagagtg agcattctat aaactcacct ttgctttgat ccttgaagat
                                                                         60
cacaagtttt gatactgttg aaatctctac tctttcaaca ctttaattaa atggcattta
                                                                        120
gaatttcata tacttctgtt gttgtttcca caatcttaaa ctggatttag aaatacttat
                                                                        180
aatgtaaatg caagagcttt aacttagtaa ccgtatttcc tattttttgt tgtttttctt
                                                                        240
ttgccagaat ttctgtttgt ctacaataaa gtccagcgaa atacagtatt tggttaggtt
                                                                        300
acttgttaac ataaaatttt atcatttgta gagtttttac ttaaccttcc tattctctag
                                                                        360
tctctataat ctttcaatga agataaccag ttacgaatat ctcctatacc atattagg
                                                                        418
      <210> 550
      <211> 234
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(234)
      \langle 223 \rangle n = A,T,C or G
      <400> 550
cctacccqcc qcaqnactqa tcattctatt tccccctcta ttgatcccca cctccaaata
                                                                         60
tctcatcaac aaccgactaa ttaccaccca acactcacaa caaaactaac taatactaac
                                                                        120
atctcaqacq ctcaqqaaat agaaaccqtc tgaactatcc tgcccgccat catcctagtc
                                                                        180
ctcatcqccc tcccatccct acgcatcctt tacataacag acgaggtcaa cgat
                                                                        234
      <210> 551
      <211> 542
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(542)
      <223> n = A, T, C \text{ or } G
      <400> 551
```

```
cacccctacc conntcctca taaaagttnc tctccctgga tcctcttttt ccctcatgag
                                                                        60
tgcccggttg cccaagtcaa aaacctggga gtgatataaa ctccccacac atccagtcag
                                                                       120
tcactcatca actctattga ttctgtctgc taaatatatn tcaattgtat taacttaaac
                                                                       180
                                                                       240
atatgcatan ggcactttct tcttcactgc atttttgtgg gctgcactta cctttcaggt
aacgacaaca ctggccctc ttgcccttct agtcagaagt gccaaaatga tgagagctag
                                                                       300
                                                                       360
ccatgacaaa cccacagcca acattacact gaatgtgcaa aactggaagg gcatccaaac
agaggagggg agagaggaat agacaggaag tcaaactgtc tctgtttaca gatgacatgt
                                                                       420 -
                                                                       480
ttctatatct ataaagcccc atagtcttgg ccccaaagct tcttctgctg ataaacttta
gcaaagtctt agcatacaaa atcaatgtgc aaaaattact aacagtccta tacatcaagt
                                                                       540
                                                                       542
ca
      <210> 552
      <211> 411
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(411)
      <223> n = A,T,C or G
      <400> 552
cctggntgac aaggaggtgc ctgtnatgtg aagatttgag gaaagagcat tccaggcagg
                                                                        60
gggaaggctt gatgcaaagg gtctactgca ggcattagct gagcttattt aaagatcaga
                                                                       120
atgaaggcca ttgtggctag aacagagtgg acaggaagga atggtaccag gcaaagctga
                                                                       180
agaagttggc aggattgagc tctcataant catggcaaag agttcccatt tcattgtttg
                                                                       240
acggaaataa attggaaggt cttaagtagg agaagatttg attagattta cattttacga
                                                                       300
                                                                       360
agaagcactc tggatgttat gtgaagaaat ggcctttgca gggcaagggt ggaaacaaag
agatcagtta ggaaattatt ggagtagctg aggattggat gaggggatgt g
                                                                       411 .
      <210> 553
      <211> 631
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(631)
      <223> n = A,T,C or G
      <400> 553
ccgggattag aactaaaaca agtgagatca cccctctaat tatttctgaa cttggttaat
                                                                        60
aaaagtttat aagattttta tgaagcagcc actgtatgat attttaagca aatatgttat
                                                                       120
ttaaaatatt gatccttccc ttggaccacc ttcatgttag ttgggtatta taaataagag
                                                                       180
atacaaccat gaatatatta tgtttataca aaatcaatct gaacacaatt cataaagatt
                                                                       240
totottttat accttootoa otggoocoot coacctgooc atagtoacoa aattotgttt
                                                                       300
taaatcaatg acctaagatc aacaatgaag tattttataa atgtatttat gctgctagac
                                                                       360
tgtgggtcaa atgtttccat tttcaaatta tttanaattc ttatgagttt aaaatttgta
                                                                       420
aatttctaaa tccaatcatg taaaatgaaa ctgttgctcc attggagtag tctcccacct
                                                                       480
aaatatcaag atggctatat gctaaaaaaga gaaaatatgg tcaagtctaa aatggctaat
                                                                       540
tgtcctatga tgctattatc atagactaac gacntttatc ttcaaaacac caaattgtct
                                                                       600
```

ttagaaaaat taatgtgatt acaggtagag g	631
<210> 554	
<211> 558	
<211> 330 <212> DNA	
<213> Homo sapien	
(213) Homo Suprem	
<220>	
<221> misc feature	
<222> (1)(558)	
<223> n = A,T,C  or  G	
<400> 554	
ccaggntagt ctccaactcc tgaccttagc tgatccaccc acctcgg	
tgggattaca ggcatgagcc actgcgcccg gccaaacttg atatgca	
taatacatta ttcatggttt agtctcatta tatattctat ggtccac	
ctaaccaaaa tcatcttcat cctgcaattt gaggtttgga cacaatg	
aatttettea tatgeeettt eteaaggaaa tagttteeta tgaaaaa	
ttcatgtaag ttctcttttt ggagaagaaa aggagacatt cttactt	
ttacaaaacg ctgccaacct taaaatttgt ctattgattc ccaaggo	
tctgtcaata acccggaata acatttcttt aaggccccag taacttt	
tccaatcctc acctagaatc ttgttaagaa aagtaaacca ttcactc	
aaggttgctt cttagggg	558
242 555	
<210> 555	
<211> 212	
<212> DNA	
<213> Homo sapien	
<400> 555	
ccaggtattt gcataatggc ttttcttctg ttgcctttgt tcctttg	gtgg ccccagctaa 60
ttgcctgaga gtgccactgt tagttttcaa ctctttctga tagaaac	
atggaaatct taggtaatct gctttttcaa agcacaatgc agaattt	
taactttaag aatatccgag aagccaccaa gg	212
<210> 556	
<211> 219	•
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature <222> (1)(219)	
$\langle 222 \rangle$ (1)(219) $\langle 223 \rangle$ n = A,T,C or G	
(223) II = M, I, C OI G	
<400> 556	
ccatgtgtct atctggagag aaggggaaac agcaagtgca aaggccc	ctga gatggaacat 60
atctggagaa ttcgaagaat ggtaagaagg ccagagtgga gcagaac	
agttgtagga gatgagatca aaggctagga atgaagtgta aggccat	gtc atgtgacctt 180
gratgreett graaggettt tttttttt tttpaneet	219

```
<210> 557
      <211> 482
      <212> DNA
      <213> Homo sapien
      <400> 557
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                         60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca
                                                                        120
aatttaaaqt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                        180
ttqtcqcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
                                                                        240
agetqttett aggtageteg tetggttteg ggggtettag etttggetet cettgeaaag
                                                                        300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
                                                                        360
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt
                                                                        420
ccatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaaggtgg
                                                                        480
                                                                        482
      <210> 558
      <211> 679
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(679)
      <223> n = A, T, C or G
      <400> 558
ctqtnaaaat tctgaaccta tccccaaaag aaaaaccgtg aaatacaagt tttaggaggt
                                                                         60
                                                                        120
ggagcaaaga aaagccaagt tatttaaaac caataaacac aagagacaat tctgctggag
aatttacttt ctccaaaaca tcaaatggac tttaaagcag aagaccacat tttatgagaa
                                                                        180
agttatgtca ctgaaaagct tcatgtaaag tgactttgta aatggaatat ttttaaatga
                                                                        240
taaaaaqaaa ataacttttc caqqaatcct ttqqaqaqqc tqataaccaq atattaaatt
                                                                        300
atcaattttg ccaaagtgga cttttaaaaaa atgtgttact tttaaaaaact aacttgaaag
                                                                        360
aatttatqaq qcaatctatc tqaqtatqtt tattqttqct ccattgqctt tcagqatttt
                                                                        420
ggtcatttca ctgttaactc ttacatcaga gaataaagaa aagaaaatga aactttgtta
                                                                        480
ggaactggga tggaaaatgt agtcccagac agatctactg acctcgactg agtttcagaa
                                                                        540
atatcccagg attttggtta ttcatgcctt tcttttgtga ctttctttca aattagccaa
                                                                        600
ttaaaqatac cccttcaatc accqqtqaca tcaqtacaac agtttttcaa caqttttctc
                                                                        660
                                                                        679
tctcctgacc aaacagttt
      <210> 559
      <211> 488
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(488)
      <223> n = A,T,C or G
      <400> 559
```

ccccactgta ctccagcctg ggtgacccca gggtaaaggt tggtcttcaa gtggcctcat gcattggacca ataggttaca ttttcgttcc gggggcctaa ttactgctcc tttgtaaaaaa ttcaaactgg ttgttgatgg gtaacaaggg atttaggcgg atagtttact taaaaaaaaaa	aagttgtctt ttttttgttt cacattttcc ctgtttttgc aatcctttgg aanaagcagt	gcatttaaat tggttcatct caaagaacac tgccccaaaa agacatactg ttgccanagt	tcagggaatt gttaagcagt tgaattaccg gggcttaaca aaaatgcaaa ttagtctcan	60 120 180 240 300 360 420 480
ccaagggc	aucceaucce	ccacgcaccc	geeegeçegg	488
<210> 560 <211> 602 <212> DNA <213> Homo sapien				
<220> <221> misc_feature <222> (1)(602) <223> n = A,T,C or G				
<400> 560				•
cctanttaag aattccttgc cttagtggtg a				60
acacagacgc taattcacat aacagagagt a				120
tcctatagaa ttcctctgtt atgactgggt tattcatca ttatgaatag ttccttggat o				180 240
ggctttgtaa tacaactttt tagtatccag a				300
ttttgataca aagggtttta acttctgcca q				360
acatttetta aacaacata acattatgta				420
ccagattcag tgacaaaatg cactacccga a				480
ataagtggcg tgtaagaaat acagggtata t				540
caaatatcag gcaaacaact agacgntctt				600
aa				602
<210> 561				
<211> 683				
<212> DNA				
<213> Homo sapien				
<400> 561				
gtctattttt aaaaagaaag aaaaaaacca o	cttttttata	gtccctagct	ttgccatatg	60
cccgccttaa gtggaaggaa agttaatcac t				120
cttggaatgc tattactgtt cacacaaagt a				180
tttttttaaa aaaagacatt actgtaatat o				240
gggcttgatt ttttttaaaa aaacagaatg a				300
atttattagg agaaaacttt atattgcctt t				360 420
ttccaacaga gctgcttgcc aaacaatttt taggatcagca tttacttaag atgttaagaa t				420
ttgttacctg tatgcattcc caaagtctag a				540
aatcagtgaa ccgattaccc tttttttggt a				600
cttggttttg tgtctgctgt agaagggaac (				660
ttgtatacat gctgtgaaca tgt	23	<b>J</b>	- <del></del>	683

<210> 562 <211> 420 <212> DNA <213> Homo sapien <400> 562 gcactttttt tccagtaagg attcatctct tgctctccta tatggtcatt atattttata 60 ttttacatat ttataaacat gacatatgta tttatgttcc acaaagggct ttgaatagaa 120 tttacacata gagttccctg ggttgatgtg tttatcaaaa tggaagataa agtgaattaa 180 ttacttaaat atttaacact attgaataga aataatttcc ccaatattgc ttcatgattt 240 agacagtcta ttaaatgttt aagcaaggca ctagactaag tttattaaga caaattttgg 300 aatatgtgca gaaatatgac ctggctaata gtacagagtc aaagctggtt gaatggtgtt 360 atatagtgga ttcagattga tgtggcagtg gtggttacac taggggcact aaggttatcc 420 <210> 563 <211> 482 <212> DNA <213> Homo sapien <400> 563 ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag tataggcgat 60 120 ... agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa aaattataac caagcataat atagcaagga ctaaccccta taccttctgc ataatgaatt aactagaaat 180 aactttqcaa qqaqaqccaa agctaagacc cccgaaacca gacgagctac ctaagaacag 240 . ctaaaagagc acacccgtct atgtagcaaa atagtgggaa gatttatagg tagaggcgac 300 . aaacctaccg ggcctggtga tagctggttg tccaagatag aatcttagtt caactttaac 360 tttgcccaca gaaccctcta aatccccttg taaatttaac tgttagtcca aagaggaaca 420 gctctttgga cactaggaaa aaaccttgta gagagagtaa aaaatttaac acccatagta 480 482 <210> 564 <211> 302 <212> DNA <213> Homo sapien <400> 564 ctggaagtga aggtactaat atacaaatgg ctcttgtttc tgaatatgtg atataatttg 60 tgaatctttg gaaactgaat tttttctatg gagtgcaaat atagaagggt tattttacaa 120 tqtttqttqt qaaaaqaatt cactttgtaa acaactatta aggctggaag tttagtgaag 180 gtgcatagtt ttgaaagcta cacaggtgaa aaatcaaact tattgtttgt aattttgctg 240 ttacatgtta agttactttg acagcaattt tctaatgata atgtgattta tgatttaaaa 300 302 <210> 565 <211> 554 <212> DNA <213> Homo sapien <220> <221> misc feature

```
<222> (1)...(554)
      <223> n = A,T,C or G
      <400> 565
ccanngtgac atcatggcaa tacagcaaga attctgnnat ttatttagaa gcctcaagga
                                                                         60
gaaggateet ggageeeetg aatgagagtt tetteteeat geeteteeee agteaaaata
                                                                        120
catggaaata ttcatagaag cattgtaccc agcatgataa ggaaggatgg agaatggttc
                                                                        180
cttatatctc tgttcacaag acatcaacac tcttaagtaa ctgtatgaaa taaattctct
                                                                        240
                                                                        300
qctqaaagca aataaaccat ctgaaaggtc ttctggttac ttacacagat ttcctagaga
atctgaaatc agcctaacag ggaagattaa tttttaaatg aatccaagtt aatgaaagca
                                                                        360
aagaactett atacagaaat acatttteet attataaage aggaetaeet teeetaattt
                                                                        420
ctgatagacc taggacaatt tgaatgggca ttgaaattct tttggttgaa ttacgcaaac
                                                                        480
aagcaaagga aaagtctcaa ttattattgg aaaatttggg gagagattat tatctcttga
                                                                        540
                                                                        554
tctcctagtn natt
      <210> 566
      <211> 631
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(631)
      <223> n = A, T, C or G
      <400> 566
ncgaagctgt gaanncattc acacggaatc tgganggtat tactgtaact tcttataata
                                                                         60.
cataatataa aagtttttga aagatataga cacaattaac ccctaaacaa cacactatct
                                                                        120
gattctcaaa agcaatggct atttaacaag atgtaaaaagg acaataacat atcaaagaac
                                                                        180
tttcacacac ctaaagatag catttagcag caagttagtc agacaaaaca aacataaata
                                                                        240
tottcacatt tootatgttt gtttttaact ttacttcata aagocactga taattgaggt
                                                                        300
ttctttcaaq tataaqattt ctaaaattaa aaactgtttt tgacatattt ttataaagaa
                                                                        360
ataaaaagca aaacgcaatc caactattta tatgagtccc tcttctccaa cagctttaga
                                                                        420 ...
tgtttttctg agtacttttt acacagaata tttttattaa aatcagttct aattcattta
                                                                        480
tgcagattag gggaaaatga ttcataataa attaacttta aaattacctt ctatctgctt
                                                                        540
ctacctctat ccccccatca ccaccaaatc tgttgctaca gtgaactgta gccaatgtct
                                                                        600
                                                                        631
gtttgaggg gcccaaagca tctggtaatc t
      <210> 567
      <211> 510
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(510)
      <223> n = A,T,C \text{ or } G
      <400> 567
cctatnatag cttctctagc tatcatactc caatcagcna aaaatgagaa aatgttgaga
                                                                         60
aatagaagat aattootoat ttaaggnoac ottotanaat ttgtgottaa nantotgttt
                                                                        120
```

tcttctcatg ggccagcact tcggcaactg ggaaaaatta ngngtacagg atactgttta tttgagcaat aatatattgn gctaacgttc aggcatccta		180 240
ataagggaaa atgagtgtaa agtacaacta agagtctcgg ctacagggaa		300
agttaaatat ccatagtcct agagcattta tgtaaaactg caatttgaat		360
attttggctt tttcctcagt gataccatgt gtgggaagtt gttctgtcaa		420
ataatttgcc ctggaaagga cggatagtga ctttcctgac atgtaaaaca		480
aagacacaag tcaagaaata ggcatggtgg		510
<210> 568		
<211> 180		
<212> DNA		
<213> Homo sapien		
<220>		
<221> misc_feature		
<222> (1)(180)		
<223> n = A,T,C  or  G		
<400> 568		
ttaatntgac ncacgcttat gcggaggaga atgntttcat gttacttata		60
ttcttctata gggtgataga ttggtccaat tgggtgtgag gagttcagtt		120
gattttttag gtagtgggtg ttgagcttga acgctttctt aattggtggc	tgcttttagg	180
<210> 569		
<211> 237		
<212> DNA		
<213> Homo sapien	`	
<400> 569		
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta		60 -
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca		120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt		180
gcatacayga ctaggaagca gataaggaaa atgactatga gggcgtgatc	atgaaag .	. 237 .
<210> 570		
<211> 352		•
<212> DNA		
<213> Homo sapien		
<400> 570		
ctgtctctcc atttagagcc ccagttggtc ctgacctctt acaaatttgg		60
ttgatgttta tgaaccgatt gcattaaaaa tgcaggataa tgattcaggg		120
tattattat acaaatgtgg ttaacacctc atcatttaa attggctgtg	_	180
tcattgtgct cttcagggtt atgtgtgtgt gtgtgtgtgt gttttgcctg		240 300
ctacatttgc tctggcagta tgttgagtat atgctagaat agaatggacc taaggtccta caactaaata cacttactta ggaaacctcc taaataagta		352
caayyeeeta caactaaata caettaetta yyaaaeette taaataayta	צב	332
<210> 571		
<211> 402		
<212> DNA		
<213> Homo sapien		

400 571		
<400> 571 stantitude approximation of a continuous and a continuous approximation of a continuous and a continuous and a continuous approximation of a continuous and a continuous and a continuous account of the continuous and a continuous account of the continuous acc	60	
ctgattttaa caataactac tgtgttcctg gcaatagtgt gttctgatta gaaatgacca atattatact aagaaaagat acgactttat tttctggtag atagaaataa atagctatat	120	
ccatgtactg tagtttttct tcaacatcaa tgttcattgt aatgttactg atcatgcatt	180	
gttgaggtgg totgaatgtt otgacattaa cagttttoca tgaaaacgtt ttattgtgtt	240	
tttaatttat ttattaagat ggattctcag atatttatat ttttatttta	300	
ccttgaggtc ttttgacatg tggaaagtga atttgaatga aaaatttaag cattgtttgc	360	
ttattgttcc aagacattgt caataaaagc atttaagttg aa	402	
courrest augustics our country accounts of an		
<210> 572		
<211> 70		
<212> DNA		
<213> Homo sapien		
•		
<220>		
<221> misc_feature		
<222> (1)(70)		
<223> n = A,T,C or G		
<400> 572		
tggatccgag ctcggtacca agcttggcgt aatcatggtc atagctgttt cctgtgntcg	60	
ttttacaacg	70	
<210> 573		
<211> 423		
<212> DNA		
<213> Homo sapien		
<400> 573		
ccaatggttt cttagtgaaa gagtacacta gctctgaatg caatgccctc agaaagatat	60	
cattcataga gacatacaaa gcacatggca acatgacatt ggaatacacg attctgagca	120	
tottoattoa tgaccaacot ggotatagat ttoagatgto otottggoto gaaggatato	180	
tgggatatcc atgctcactt gcattccttt ccctttaatt tcattttcta agtccttctt	240	
gtattgtttc taaaagaaca gaaaataatc ttggagcttt gcttaagctt taatagcgat	300	
gttgaaattt acatgtttga atctcaaagc cacccatgtg gaaagaaaac ttatgctctt	360	
tccagctatg attcacggca tttattttaa actttgtatc ttgctgctgt cttacctggc	420	
tgg	423	
<210> 574		
<211> 129		
<212> DNA		
<213> Homo sapien		
·		
<400> 574		
ctgttaaaag aacaaactta gcaatatata acagtttgct aacaggattt ttgactattc	60	
actttgcgag ttattttaa aaatccactt ttttactgag tcttactaca taccaggcac	120	
tgtacttgg	129	
210 575		
<210> 575		
<211> 684		

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(684)
      <223> n = A,T,C or G
      <400> 575
ccagatntga cttttcaaaa ctactcacat tgtgaaaaan gcaggaacaa atctagtttc
                                                                        60
aagttcagca tgccgttccc tgtttaattc ataaaacaca actggcagaa gtattacttg
                                                                       120
aagcaaaaca aaagtaacgt gggaacttgc ttatttgcta agccacaatg tatttttcca
                                                                       180
ggaatagcat aaatttgcca tctttcttgt gtctatggaa aaggggttta gaattgtttc
                                                                       240
actaaaaatt aaatttctat attgtcaaac atgattgtat actcaaattt taaaatgtga
                                                                       300
agggaacact tactaagcat ttcctgggta tgccactata ttaagtccta gtaatatgat
                                                                       360
atagtttatt tcaattttt ttcaactcat acttccttta aaatagcact gaccaaaaga
                                                                       420
                                                                       480
aagttaacat gagcttcatg tacaattttt aatctttttg cagaaaaata aactgagaaa
ggctaaaatt gttttattta agccactata ccaagacata ttgatttcac caatataaaa
                                                                       540
attgagatag tttacatttt ttggtacatc tttaaaatct ggtatgtatt tttatactga
                                                                       600
cagcacatct caatttggac aagctacatt tccagggctc aatagtcacc atgaatctca
                                                                       660
attgtaatca aagaggttgg cctg
                                                                       684
      <210> 576
      <211> 134
      <212> DNA
      <213> Homo sapien
      <400> 576
ccttatttct cttgtccttt cgtacaggga ggaatttgaa gtagatagaa accgacctgg
                                                                        60
attactccgg tctgaactca gatcacgtag gactttaatc gttgaacaaa cgaaccttta
                                                                       120
atagcggctg cacc
                                                                       134
      <210> 577
      <211> 133
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1) ... (133)
      <223> n = A,T,C or G
      <400> 577
ctgtctctcc attnagaagc cccantnggt cctnacctct tacaaatttg gtgttttcac
                                                                        60
tttgatgttt atgaaccgat tgcattaaaa atgcaggata atgattcagg gttaganaaa
                                                                       120
ctattattta tac
                                                                       133
      <210> 578
      <211> 200
      <212> DNA
      <213> Homo sapien
```

<400> 578 cctcaaatct atcttcaaag cctggtaatt tcattcttta acccaaattg tctccaaggt gacttcctga tcaatgtcag	gtctctccaa tgcaaataat	gaaaatctga	agtgtattag	gcaagtcaga	60 120 180 200
<210> 579 <211> 402 <212> DNA <213> Homo sapi	en				
<pre>&lt;400&gt; 579 ctgattttaa caataactac atattatact aagaaaagat ccatgtactg tagtttttct gttgaggtgg tctgaatgtt tttaatttat ttattaagat ccttgaggtc ttttgacatg ttattgttcc aagacattgt</pre>	acgactttat tcaacatcaa ctgacattaa ggattctcag tggaaagtga	tttctggtag tgttcattgt cagttttcca atatttatat atttgaatga	atagaaataa aatgttactg tgaaaacgtt ttttatttta	atagctatat atcatgcatt ttattgtgtt tttgtttcta	60 120 180 240 300 360 402
<210> 580 <211> 245 <212> DNA <213> Homo sapi <220> <221> misc_feat <222> (1)(24 <223> n = A,T,C	en ure 5)				
<pre>&lt;400&gt; 580 ccaattgatt tgatggtaag agggatggga gggcgatgan atttcctgag cgtctgagat gcatacagga ctaggaagca ataaa</pre> <210> 581	ggagggatcg gactaagatg gttagtatta	atggcgggca gttagttttg	ggatagttca ttgtgagtgt	gacngtttct taggaaaagg	60 120 180 240 245
<210> 581 <211> 294 <212> DNA <213> Homo sapi	en				
<400> 581 tgcagcgcaa gtaggtctac tcatgatcac gccctcatag cctaacactc acaacaaac cgtctgaact atcctgcccg cctttacata acagacgagg	tcattttcct taactaatac ccatcatcct	tatctgcttc taacatctca agtcctcatc	ctagtcctgt gacgctcagg gccctcccat	atgccctttt aaatagaaac ccctacgcat	60 120 180 240 294

<211> 230 <212> DNA <213> Homo sapien  <400> 582 gaggtcgccc tcatagtcat tttccttatc tgcttcctag tcctgtatgc ccttttccta acactcacaa caaaactaac taatactaac atctcagacg ctcaggaaat agaaaccgtc tgaactatcc tgcccgccat catcctagtc ctcatcgcc tcccatccct acgcatcctt tacataacag acgaggtcaa cgatccctcc cttaccatca aatcaattgg	60 120 180 230
<210> 583 <211> 481 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 583  ccaagggtgt tctgcctgcc tcagcctccc aaagtgctgg gattacaggt gtgagccact gtgcctgacc acaggaaaac ttatttaaat gagagatttg actcgaaaga tcccgtttt ttaaggctct tagttcttaa aagcggcaca taatagaatt agtataatcc caaataaatt ttcagtagat ttttggtgta acttgagaag atgattctgt catttttagt gacaatttaa aagacctgaa attgtctaca gccatagaaa gtgaactact gatagttgtt tctgtaaagt tttattggaa cacaaccaca cctatttgtt catctgtatt gtctttggtt actttgtgca gagaccatgg cccacaaacc taaaacattc actttctagc tctttaagaa ataattggcc cactgacacc ctggtcttaa ggtctagacc aattatttct caagagtatt agctgaatca g</pre>	60 120 180 240 300 360 420 480 481
<210> 584 <211> 306 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 584  ccaattaaga gctaaattta caaaataatc tctatcagga ggctttaagg tttaatgtct ctaaagtccc tatggatata agaggcttga atgtactgaa ttcaaatttg gttttaaat gttataatag tttaggcccg agagccacat atttctgtct aagaatagaa agcatagcta gctgcccaca cagaatattc atatagaggt ggggggcaag aacaaaattt attcatttga tacatagaaa tgggactact tagaatagac tcataataga aagcatcatc tggtttctca tctcag</pre>	.60 120 180 240 300 306
<210> 585 <211> 308 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 585  ccagaatggt acagagtgga gggtgttctg ctaatgactt cagagaagta tttaagaaaa acatagaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacggtgt tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct atgaaatgtt tcagcagatt ctgggtatta aaaaactaga acaccagctc ctttataatg catgtcag</pre>	60 120 180 240 300 308

```
<210> 586
      <211> 416
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(416)
      <223> n = A, T, C \text{ or } G
      <400> 586
                                                                         60
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca
ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggnacttt caacacttna
                                                                        120
caacactatt tnaattaann tttnttctag agtttatann atatcagtac attctttct
                                                                        180
gtggatgcaa taatatagaa tottattnoa aatottaotg gcaggntotn ttaaattott
                                                                        240
caacggntgn catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa
                                                                        300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa
                                                                        360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg
                                                                        416
      <210> 587
      <211> 382
      <212> DNA
      <213> Homo sapien
      <400> 587
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                         60
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca
                                                                        120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                        180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
                                                                        240
agetgttett aggtageteg tetggttteg ggggtettag etttggetet cettgeaaag
                                                                        300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
                                                                        360
                                                                        382
tggttataat ttttcatctt tc
      <210> 588
      <211> 307
      <212> DNA
      <213> Homo sapien
      <400> 588
cctactcttc tccgtccatt gtactatctg cccgtggtgg ggatggcagt aggatcatat
                                                                         60
ttgatgactt ccgagaagca tattattggc ttcgtcataa tactccagag gatgcgaagg
                                                                        120
tcatgtcctg gtgggattat ggctatcaga ttacagctat ggcaaaccga acaattttag
                                                                        180
                                                                        240
tggacaataa cacatggact aatacccata tttctcgagt agggcaggca atggcgtcca
cagaggaaaa agcctatgag atcatgaggg agctcgatgt cagctatgtg ctggtcattt
                                                                        300
                                                                        307
ttggagg
      <210> 589
      <211> 89
      <212> DNA
```

<213> Homo sapien

```
<400> 589
cctgggtgat tgaggatgca atgagctgtg attgtgccac cacactccag cctgggcaat
                                                                        60
acagcaagac tgtctcaaaa aaaaaaaaa
                                                                        89
      <210> 590
      <211> 456
      <212> DNA
      <213> Homo sapien
      <400> 590
cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag
                                                                        60
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg
                                                                       120
ggagtttccg atgccagagg atgaaagcaa gtgctctctc caccctctcc tcccagagtg
                                                                       180
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga
                                                                       240
cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt
                                                                       300
tcaatgctct gaattcaact gacagactaa agggtgtttc ctgtaacagt ctgaaatatt
                                                                       360
aagtgttttt tttgttttgt ttttaaatct tatttcagaa aacttcctct tggggtagga
                                                                       420
aagtacacat gaagcagcaa agtaacgaag aaaaac
                                                                       456
      <210> 591
      <211> 289
      <212> DNA
      <213> Homo sapien
      <400> 591
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt
                                                                        60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                       120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg
                                                                       180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg
                                                                       240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcg
                                                                       289
      <210> 592
      <211> 435
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(435)
      <223> n = A,T,C or G
      <400> 592
cgcgttagat gcgccttttc cggcctgtgc gtctgctctg gttcctctca ggcagcaaaag
                                                                        60
ctggggaagg aagctcaggc aggagcctcc ccgacaccac agcggcacaa gcagcagcta
                                                                       120
aagcaccgca ctttgctctg ctaacctttt acttaaatga ggttttgcca aatccacatc
                                                                       180
tggaaccgca tcacacccat ttgcaaggat gtttgttctt tgatgaaact gcatctctac
                                                                       240
                                                                       300
tgcacatgan ggctttcatt gtaggacaag aggagagttc gtttattttt gtaactgttt
                                                                       360
tacatgttcc gattanttaa tcggnagctt atgtcatttg ctatgcctgt tgtcttctaa
tctctcctta ctaaaacatt acttcaaatt tnaattgacc cttgtttata atttatttaa
                                                                       420
cgggatttgn gtgtc
                                                                       435
```

```
<210> 593
      <211> 633
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(633)
      <223> n = A, T, C \text{ or } G
      <400> 593
                                                                         60
ctgtttagtc agataattgt gtccgaattg attangaaaa taatagacca gccataaagc
                                                                        120
agcataaaat attatgaaac tattccagaa gttcagtaat atctttggga cctgctcata
                                                                        180
gcccaagttt tgtgaatact tttgtagtta aaaaaaattt ttactttacc agggcattgc
aattetttte cateagtgaa ttteatteta cagaetttte agageatete ataateagte
                                                                        240
                                                                        300
aacaaatcta tttcaaatgt gtttgttact aagcaacggt tgctaagagc ttctgtaatt
aagatgaaag ttccaaggta acaatgccca aacacagcac cattttcacc attttctgat
                                                                        360
aatgcaggag taggatggct aaaagtgaaa gaagaatcta ctctatggaa agcatggcac
                                                                        420
ctgaaatttc tgaagatatt ggctgtcctc tagcttatat gagagagagt gtttgtgctt
                                                                        480
tactaatcaa ccagtcattt ttttcttgtg tggctgaaat gtacattcca gacatgaaca
                                                                        540
ggtagagtat gtgttggggg caggtttata ctgcatgggt gtgctgagac agggccacgt
                                                                        600
                                                                        633
ggtgatgtaa atgatgctgn ctgacacgtg cag
      <210> 594
      <211> 501
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(501)
      <223> n = A, T, C or G
      <400> 594
                                                                         60
cctttacaag atgctggtac cttgatcttg gacngggcag gctccaagat ggaaagaaag
tgagcatctg ctttttaggg attatccagt ctatactact ctgttctagc cacacaaaac
                                                                        120
aggttaagac agaaattggt accaagagtg gggtgttact acagcaaata cctgaaaatg
                                                                        180
                                                                        240
tagaagaggc tttgaaatgt ggtaattgga agaagctggt agaatttgga ggagtaggct
agaaaatgtc tgtattttca tgaatggagc attaagaata attccggtga ggccataggg
                                                                        300
aaagtctaaa acttttcaga aattatgtaa gcgattgtga ttagtaggtt ggtagaaata
                                                                        360
                                                                        420
tagacagtaa aagcaattct gatgtggttt cagaggaaaa tgaaaaatat tagaaactga
aggaaggggc atccttgcta taaactggca aagaacttgg ctgaaatgtc tccatgtcca
                                                                        480
                                                                        501
agagatttat ggcagaaatg t
      <210> 595
      <211> 383
      <212> DNA
      <213> Homo sapien
      <400> 595
```

ctggtcacca tcatcccttt cttcatccct tagtttactg ggtctcatta tcaaaccttt tgccttacaa gcaatgctgt gagatggagg atggaaggat ctgaaagcac agtctactct gtgacatgtt tagagtcacc	gcgttaaaaa acttatttcg tctgtaaatt tggtaccaga ccttcgtttt	aagtctcagc gcatatttcc tattgaaacc agagggctaa	aattttcatt tctgggcttc tctggaacat gatacgtttt	atttctcgtg ttctagtttc ttcaccttta ctgtcttgag	60 120 180 240 300 360 383
<210> 596 <211> 266 <212> DNA <213> Homo sapie	en				
<400> 596 ccatggctag gtttatagat ggaggttagt tgtggcaata ctttagtgtt gtgtatggct tggtaattag tcggttgttg gaatgatcag tactgcggcg	aaaatgatta atcatttgtt atgagatatt	aggatactag ttgaggttag	tataagagat tttgattagt	caggttcgtc cattgttggg.	60 120 180 240 266
<210> 597 <211> 383 <212> DNA <213> Homo sapie	n.	<i>.</i>			
<220> <221> misc_featu <222> (1)(383 <223> n = A,T,C	;)				·
<400> 597					
ctggtcacca tcatcccttt					60
cttcatccct tagtttactg ggtctcatta tcaaaccttt					120 180
tgccttacaa gcaatgctgt					240
gagatggagg atggaaggat					300
ctgaaagcac agtctactct		gtcgatgaga	aagttgaggc	cagagggag·	360 383
gtgacatgtt tagagtcacc	cag				303
<210> 598 <211> 266 <212> DNA <213> Homo sapie	en				
<400> 598					
ccatggctag gtttatagat	agttgggtgg	ttggtgtaaa	tgagtgaggc	aggagtccga	60
ggaggttagt tgtggcaata	aaaatgatta	aggatactag	tataagagat	caggttcgtc	120
ctttagtgtt gtgtatggct					180
tggtaattag tcggttgttg gaatgatcag tactgcggcg		tggaggtggg	gatcaataga	gggggaaata	240 266

```
<210> 599
      <211> 294
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(294)
      <223> n = A,T,C or G
      <400> 599
ccaattgatt tgatggtaag ggagggatcg ttgaccacgt ctgttatgta aaggatgcgt
                                                                         60
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                        120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg
                                                                        180
gcatacagga ctaggaagca nataaggaaa atgactatga gggcgtgatc atgaaaggtg
                                                                        240
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgcgc tgca
                                                                        294
      <210> 600
      <211> 213
      <212> DNA
      <213> Homo sapien
    <400> 600
agatattggg ctgttaattg tcagttcagt gttttaatct gacgcaggct tatgcggagg
                                                                         6.0
aqaatgtttt catgttactt atactaacat tagttcttct atagggtgat agattggtcc
                                                                        120
aattgggtgt gaggagttca gttatatgtt tgggattttt taggtagtyg gtgttgagct
                                                                      . 180 -
tgaacgcttt cttaattggt ggctgccttt agg
                                                                        213
      <210> 601
      <211> 471
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(471)
      <223> n = A, T, C \text{ or } G
      <4.00> 601
ncctactatg ggtgttaaat tttttactct ctctacaagg ttttttccta gtgtccaaag
                                                                         60
agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgtgggc
                                                                        120
                                                                        180
aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg
tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt
                                                                        240
tagetgttet taggtagete gtetggttte gggggtetta getttggete teettgeaaa
                                                                        300
gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc
                                                                        360
ttggttataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt
                                                                        420
                                                                        471
tctatcgcct atactttatt tgggtaaatg gtttggctaa ggttgtctgg t
      <210> 602
      <211> 482
      <212> DNA
```

```
<213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(482)
     <223> n = A, T, C \text{ or } G
     <400> 602
tgagcataca gcaataaaaa taacataatt tntatgtgta caatatttat ggaatacgtt
                                                                      60
                                                                     120
actggaacag ataaataatt tagttaataa catgacaaag aacagaaatt gtatacacta
tacagcatag taatagaata atgaatgatt aaagttatta atattaggta gaaaatgaag
                                                                     180
                                                                     240
ggtatctttg agagcagaac tcaaggaagc aagcaatttg ccttatgagg aaagagttac
                                                                     300
ctqtqqataa aggagaaact gaaaaattta caagtcaaga ctttttgagc aaaaacaaaa
atatgactat gagtcaccaa ttcagtacag tgaaaaaaaa gttgaagaga tatcttggaa
                                                                     360
qtaaaccatg ttgtggaaga gcagggtttt gataatcatg ggattattct gaatgaattt
                                                                     420
                                                                     480
taaatgcgat aggaatatat gagataattt caccagagaa taatatgatc atgtttgcat
                                                                     482
     <210> 603
     <211> 372
     <212> DNA
     <213> Homo sapien
     <400> 603
qttccaacct tcatttctga aactgttcta gagcactttg tctttctcgt agttcataac
                                                                      60
ttaccccttc agtctagaat tagaattaca ttatctgttt tactacttta ctagactgta
                                                                     120 ...
agetectaga agataaggae tagggagtte atetetgtat tecaccagaa ggtacagtga
                                                                     180
ctcataacta gagtctttag atgaaactta ctgagttgaa taacttaata tatttctgtt
                                                                     240
                                                                     300
ttcattccca agggaggcca tgtctggaga tagaccttga atttaataaa ttttaggcac 🦠
                                                                     360
ggaagtcact gg
                                                                     372
     <210> 604
     <211> 468
      <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(468)
     <223> n = A, T, C \text{ or } G
     <400> 604
                                                                      60
gengttttga gtgagtttet taateetgag ttetggnttg attgeaetgt ggtetgagag
atagtttgtt ataatttctg ttcttttaca cttactgagg agagctttac ttccaagtat
                                                                     120
gtggtcgatt ttggaatagg tgtggtgtcg tgctgaaaag aatgtatatt ctgttgattt
                                                                     180
ggggtggaga gttctgtana tgtctattag gtccgcttgg tgcagagttg agttcaattc
                                                                     240
                                                                     300
ctggatagcc ttgttaactt tctgtctcgt tgatctgtct aatgttgaca gtggggtggt
                                                                     360
aaagtctccc attattattg tgtgggagtc taagtctctt tgtaggtcac taaggacttg
ctttatgaat ctgggtgctc ctgcattggg tgcacatata tttaggacag cnagctcttc
                                                                     420
ttgttgaatt gatcccttta ccattatgta atggccttgn ctcttttg
                                                                     468
```

```
<210> 605
      <211> 288
      <212> DNA
      <213> Homo sapien
      <400> 605
                                                                         60
ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt
agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct
                                                                        120
atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg
                                                                        180
gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg
                                                                        240
                                                                        288
ataagctctt ctatgatagg ggaagtagcg tcttgtagac ctacttgc
      <210> 606
      <211> 572
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(572)
      <223> n = A, T, C \text{ or } G
      <400> 606
qaatnaaatg aatgaaatag aaaatataat tgagagcttc aacaacagac tataccaaat
                                                                         60
ggaggaaaaa atttctgaac ttgaagatag atcttttgaa ataacacaag cagtggcaaa
                                                                        120
                                                                        180
aatgaattaa aaagaataag gaaagcctaa aggatttatg agatatcatt aagcaagcaa .
atattcatac tatgggcatt ccagatggaa aaaagaaggg taaaggtgag gaaatcatat
                                                                        240.
                                                                        300
ttaatgaaat aatagcagaa aatttccgga gtcttgggag agagatgagc atttaggtcc
agggagetea aagaaceeca aacagattea aceeaaacag gteetetetg gageecaaca
                                                                        360
taqtcaaatt qtaataaqta aaaqacaaag aattccaana agcattcaag agaaaagagt
                                                                        420
caagtcataa ataagggaat ctccattagg ctaacagcag atatctcagc agaaagctta
                                                                        480
                                                                        540
cangccanga gagaatggga tgatatattc aaagtacttg aaagcagggg tnggggaaac
cctgctagct aaaaatatta tacccttgca aa
                                                                        572
      <210> 607
      <211> 178
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(178)
      <223> n = A,T,C or G
      <400> 607
ctcqqqqtaa tctcccagca agaggtcagg tcctggntgt gcgtcccagg gtgtcagtga
                                                                         60
aattggctgc tcccctgacc cagggcacct tcatgcgtct tcacagcagg actactgtga
                                                                        120
ccaaggccag acctttcatc tttcaaaaga ctttgactaa aaatgcttta aaaaagca
                                                                        178
```

```
<211> 416
      <212> DNA
      <213> Homo sapien
      <400> 608
cctgtctttg aatggatgaa ataggttaat aaagaacatc actgtttaaa aactagaaca
                                                                        60
                                                                       120
ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggtacttt caacacttaa
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcctttct
                                                                       180
qtqqatqcaa taatatagaa tcttattcca aatcttactg gcaggttctc ttaaaattctt
                                                                       240
caacggctgt catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa
                                                                       300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa
                                                                       360
                                                                       416
atgatgacag teattttata teacetteaa ttaeceaaca gettttaata gtetgg
      <210> 609
      <211> 648
      <212> DNA
      <213> Homo sapien
     <400> 609
ctgatctctc agcagaaact cttcaaacca gaagagagtg ggggccaata ttcaacattc
                                                                        60
                                                                       120
ttaaaqaaaa taattttcaa cccagaattt catatccagc caaactaacc ttcacaagtg
aaggagaaat aaaatccttt acagacaagc aaatgctgag agattttatc accaccaggc
                                                                       180
ctaccctaaa agagttcctg aaggaagcac taaacatgga aaggaacaac cagtaccatc
                                                                       240
gaggctagga agaaaccgca tcaactaagg agcaaaataa ccagctaaca tcataatgac
                                                                       300
aggatcagat tcacacataa cgatattaac tttaaatgta aatggactaa atgctccaat
                                                                       360.
taaaagacac agactggcaa attggataaa gagtcaagac ccatcagggt gctgtattca
                                                                       420
ggaaacccat ctcaccgtgc agagacacac ataggctcaa aataaagggc tggaggaaga
                                                                       480
tctaccaagc .aaatggaaaa caaaaaaagg caggggttgc aatcctagtc tctgataaaa
                                                                       540
cagactttaa accaacaaag atcagaagag acaaagaagg ccattacata atggtaaagg
                                                                       600
                                                                       648.
gatcaattca acaagaagag ctaactatcc taaatatata ttgcaccc
     <210> 610
      <211> 310
      <212> DNA
      <213> Homo sapien
      <400> 610
                                                                        60
ccaqctcttc tctgtcacat tcctatttct gacttctgcc tggctttcag tttctgcccc
accttggctt tttcccagct tgaacctaat agaactccag agtttggggg gaggcccagc
                                                                       120
cctttqtttt ctgctcttga agcatattca cacataaaaa gttgtattct cttacacaaa
                                                                       180
ctgttttgag gctcttaccg tagtcgaagg tatcttagat cttccttagt gatctcatta
                                                                       240
aqaatatccg aaagtgtata accctcttca acaatctgaa acaaagatca gatccttaag
                                                                       300
                                                                       310
agctgagcag.
      <210> 611
      <211> 254
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
```

```
<222> (1)...(254)
      <223> n = A, T, C \text{ or } G
      <400> 611
ctgtttttac atctaaagca atagactaga actgaattnt cttctacata gtaaaatcac
                                                                       60
aattgtggaa ttacaggaat tctggtgata ttaaggtgaa acaacaaaac acaaaaggcc
                                                                      120
ctattttaac agttgatgtg acagtaagtt ttaatagaac ctgtaacttc attttggaaa
                                                                      180
tgcttctcca ccaaataagg cctttttccc ctatttaagg agccagatgg attgaaagat
                                                                      240
                                                                      254
gtggaaatag gcag
      <210> 612
      <211> 225
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(225)
      <223> n = A, T, C \text{ or } G
    . <400> 612
ctgactatat catgtcacca tcatagccaa tacaacattn ttgccatact tcctaaaaac
                                                                       60
cttttcqcat acactgatca tgctacttat cagcactttc taacatcctg accaaacaga
                                                                      120
                                                                      180
cacccacacc tcttatagag tacactgtga gagaataaca tggacttgat atggcatcac
225
      <210> 613
    <211> 471
     <212> DNA
      <213> Homo sapien
     <220>
      <221> misc_feature
      <222> (1)...(471)
      <223> n = A,T,C or G
      <400> 613
ccatcaqact tcttgggtgc ctggctatat tcaatgtgaa gtaaaaaaata tcccaagtct
                                                                       60
tacaccaaaa tagaggctct gacttagaag tatgctttta gctttctttt taaataagac
                                                                      120
attctggaag aaaaaaaag aaaaaggaaa gaaaatcaag tttgaaacac agttaacact
                                                                      180
tattttqqca aqaaagcaac caaaatctaa aaagcataaa ctatgngtcc aaatgnaaaa
                                                                      240
ggnattacag aacaaactgc aagaggggaa aattaaagcc ncactgaacg aaaaaataca
                                                                      300
qtatqtctaa cattttggaa ttgnaattta aaccctaagg gcaaaagctg aaaaatcatg
                                                                      360
cttanacctn ggncgngacc acnctaaggg cgaattccan cacactggcg gncgttacta
                                                                      420
gtggatccna nctcggtacc aagcttggcg taatcctngg catagctgtt t
                                                                      471
      <210> 614
      <211> 421
      <212> DNA
      <213> Homo sapien
```

<400> 614	
gttatttttt agaatggete teccatettg agtatgtgtg atgttteete atgtatgaat	60
gaagcatata catctttgtc agaagtatcc cagaagcaat tctgtactct cctcattatg	120
ttctattggg tgggccatgg tttttgattt gtctcattac tgatgatggt tacttttatt	180 240
atttgataaa ggttgtatat aacttatcta ttatggcata atacattagc taaaaccttg gcggtgtaaa acagcagata cttacgtttc tcataggaat ggctctattg agtacctctg	300
tctcaaggct tctcaagagt ttgtagctac cttgttggct ggggttgcgg tctgacctaa	360
aggettagtt agggggtggt agaaatette catatgttet ttgetaegtg gaeeteacag	420
g	421
210 (15	
<210> 615 <211> 242	
<212> DNA	
<213> Homo sapien	
<400> 615	<b>C</b> 0
cctcctattt attctagcca cctctagcct agccgtttac tcaatcctct gatcaggatg agcatcaaac tcaaactacg ccctgatcgg cgcactgcga gcagtagccc aaacaatctc	60 120
atatgaagtc accotagcca toattotact atcaacatta ctaataagtg gotcotttaa	. 180
cototocaco ottatoacaa cacaagaaca cototgatta otootgocat catgaccott	240
gg	242
<210> 616 <211> 392	
<211> 392 <212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature <222> (1)(392)	
<223> n = A,T,C  or  G	
<400> 616	
cctaatttgt agattgtgaa agcagctttt agtttaactt atttacagac cccttataat	60
taccatgttt tttttttnt tcctaaatct nttggttcag cttgngaatn ttacgtgccc gtaaagtngg gatgttgaat nggcccttnt ttgttctggc agngagtcaa gngtccanca	120 180
tttttcata agngttttt aaaatngttc tccancattt tatggctcct ccctcccatg	240
tcctcaaacc cagcaaaagc gtanaggcan aattanagga cccncccggg cggccgntaa	300
gggcnaattc cagcncactg gcggccgtta ctagnggatc cnagctcggn nccaagctng	360
gcgtaatcat ggncatagct gtttcctgtg an	392
<210> 617	
<211> 215	•
<212> DNA	
<213> Homo sapien	
.400. 617	
<400> 617 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga	60
gctgttcctc tttggactac cagttaaatt tacaagggga tttagagggt tctgtgggca	120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt	180
ttgtcgcctc tacctataaa tcttcccact atttt	215

```
<210> 618
      <211> 433
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1) ... (433)
      <223> n = A,T,C or G
      <400> 618
                                                                        60
cttttqtntq cctqttttgt ggactggctg gctctgttag aactctgtcc aaaaagtgca
tggaatataa cttgtaaagc ttcccacaat tgacaatata tatgcatgtg tttaaaccaa
                                                                        120
                                                                        180
atccaqaaaq cttaaacaat agagctgcat aatagtattt attaaagaat cacaactgta
aacatgagaa taacttaagg attctagttt agttttttgt aattgcaaat tatatttttg
                                                                        240
ctgctgatat attagaataa tttttaaatg tcatcttgaa atagaaatat gtattttaag
                                                                        300
                                                                        360
cactcacqca aaggtaaatg aacacgtttt aaatgtgtgt gttgctaatt ttttccataa
                                                                        420
gaattgtaaa cattgaactg aacaaattac ccataatgga tttggttaat gacttatgag
                                                                        433
caagctggtt tgg
      <210> 619
      <211> 259
      <212> DNA
     <213> Homo sapien
      <400> 619
ctgcagtgtc cctttttata tcatgctagt gttgagacat acttgactaa cttgggaaca
                                                                        60
gttcgatata ttgacaaccg tcaacttaag aaaatcaaca gcttttggcc ccagcgtcca
                                                                        120 .
agtgaacttt tcatggagtg cagaatctca aatggacaaa atactttgtc tttttaaata
                                                                        180
                                                                        240
ctqaaaattt aattattagt actatgactg aaagattctt catggctaaa aagctctgca
                                                                        259
tcaaactcaa ttcaggagg
      <210> 620
      <211> 393
      <212> DNA
      <213> Homo sapien
      <400> 620
ccaccaaagc cacacggaga ttctgtcagg cgctgagaca ccacagcctt ttcaatctta
                                                                        60
gggaaagaaa tcaagtcata taaattaata tcaacaggta aggtcattga gcaattgtct
                                                                        120
                                                                        180
ttcaactgtc taagacttta tcacttaaga tcataaacac agaagcaggt cataaaaaata
gcttttctta aggtttagga gaatttgtag gggcacttac ttgataatct gaattttcta
                                                                        240
gtcagaagtt taaataccac cttttaaaaaa cataaaattt aatttgtaac aagttattaa
                                                                        300
caaaqcaqta ttgtcgaaag ttttaagctt tctcccaata atttaattac attaattaaa
                                                                        360
                                                                        393
tttttaccat tctaatggtt acaaagtaac cag
      <210> 621
      <211> 563
      <212> DNA
      <213> Homo sapien
```

```
<400> 621
ctgacaatga taaaattatc tctatatggg caaacgcgtg ctctttgtcg aagaagaaag
                                                                        60
                                                                       120
cttcagcttc atgttccagg tgagttaatt aggcaatgta tgaatgctaa tatctctttc
                                                                       180
acatattttg cttaagatct gtcttaggac tctcgtctgg cccatatggt tttccaaggg
cagaagggcc tctttttgat gagaggcagt tttcagtaac tcttaaagtg ataacagcaa
                                                                       240
aggagaggag agagaagagt aagacaaatc gaaacattct tcaattgctt cttggccttt
                                                                       300
                                                                       360
tqqctaaqct caagctcaaa acaggtcttc aaggagaaaa tacatcacaa agaaaaggat
gttttatttc ttaccttgtc ctagaaaaat ttccataaac tctattggct taattctgta
                                                                       420
aacttgacca atatcagagt gcttcctacc aaggagggta gctgatgagc gtgaccatgg
                                                                       480
tacatcctag aagaatgtgt gatgaagaag ctttcaccgt gtaaaaagagt tgaaaattat
                                                                       540
                                                                       563
tcaaggagac attatggtct tgg
      <210> 622
      <211> 505
      <212> DNA
      <213> Homo sapien
      <220>
     <221> misc_feature
      <222> (1)...(505)
      <223> n = A, T, C \text{ or } G
      <400> 622
tcttaaqtqt qtttaataga taaagtaaac tttcctagtc aagggttaga tttttattat
                                                                        60
ctcttgtgtt ccgactitct acttttcaac tttgaacttc aaaaaaacat tactttgctt
                                                                       120.
atcotttgta otttgatoag gttgtttaga attgtagato aaaccattot ttgatoattt 🖰
                                                                       180
                                                                       240
tattgtttaa atgnttagtt ccatttataa tttttatagc caactctcgg ttatttctgt .
                                                                       300 -
cttttgagat tgcaattcag aagctgtatg tcgaagtaat ttatgagttg acttttatac
                                                                       360
ttaggettet ttaaataeta atagteaaga attetagage atetaataaa aaattaaett
                                                                       420
tragatratt gggaatrigt retratttaa atatgigtaa aigeatitee aragraaatt
qcttcatgcc ctttgnctat aaggaaatta ttccttgtag ctaatacatt tttcattttg
                                                                       48G.
                                                                      . 505,,,
cagnccaaat cttttttgag aaagg
      <210> 623
      <211> 489
      <212> DNA
      <213> Homo sapien
      <400> 623
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                        60
                                                                       120
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca
                                                                       180
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                       240
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
agetgttett aggtageteg tetggttteg ggggtettag etttggetet eettgeaaag
                                                                       300
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
                                                                       360
                                                                       420
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt
                                                                       480
ctatcgctat actitatitg ggtaaatggt tiggctaagg tigtciggta gtaaggigga
                                                                       489
gtgggtttg
```

```
<211> 233
     <212> DNA
     <213> Homo sapien
     <400> 624
                                                                     60
gttggggaac agctaaatag gttgttgttg atttggttaa aaaatagtag ggggatgatg
ctaataatta ggctgtgggt ggttgtgttg attcaaatta tgtgtttttt ggagagtcat
                                                                    120
qtcagtggta gtaatataat tgttgggacg attagtttta gcattggagt aggtttaggt
                                                                    180
tatgtacgta gtctaggcca tatgtgttgg agattgagac tagtagggct agg
                                                                    233
     <210> 625
     <211> 459
     <212> DNA
     <213> Homo sapien
     <400> 625
ttcgagaaca tttttaataa ataatgtgac aaaattactt ttctgattat tggattttca
                                                                    - 60
gtatgcaaaa ttatggctaa aaataagggg cttcttacat gaacataatg aaaacattaa
                                                                    120
tcacatqqat tqttccctta gtactgcacg ccttttctat ggaacttttt caaattatct
                                                                    180
aaatgaacaa gtttggtttt ggtgaacacc agcetttttt tttgtggttc agttttgttt
                                                                    240
ggetttgtet tecaetgggg teagaeetga taettateta tetatgaata aatgtaeatt 🗀
                                                                    300
tttttcttca aatagcacca attataaaat caatgatatt cataaaatga caaaaaagga
                                                                    360 :
tcataqaaat ctactagtca gagggcatca tttgtcaatt gaaagcaagt aatgcctcta
                                                                    420
ttagagattt taaggaaatc ttgtaggttt cgacattgg
                                                                    459
     <210> 626
     <211> 458
     <212> DNA
     <213> Homo sapien
     <400> 626
cctqatqatt qttttaaaca gtagaaaggg ttcagctaag aactacagtc cactctcagc
                                                                     60
cctqtcatqt actataggac aagtcttcat tcacaacaaa tggatagcaa caccaatctc
                                                                   . 120 ...
gtaacactgg gaaaactgca tacaatattt agaaggaaca ctaatacagc agaatctgca
                                                                    180
cacaacggag tcaaagatct gaggccaaat cctactacac tttacgactt tgagttggtc
                                                                    240
acttttctga accttagctt ctccatcagt gtaaaactga tgtaaaataa tataaagcta
                                                                    300
tatqaaagct gatgtgattt acttgtgaaa tagtatgtgc aaaaggactt tgtaaaatgt
                                                                    360
420
caagcattca tttagagtca tgtgcaaggc actgtgct
                                                                    458
     <210> 627
     <211> 393
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(393)
     <223> n = A,T,C or G
     <400> 627
```

ccatnngaac gcactcagga ggtggtttgt tctggatgca gaaaccagag atctagtttc tatccacaca gacgggaatg aacagctctc tgtgatgcgc tactcaatag atggtacctt cctggctgta ggatctcatg acaactttat ttacctctat gtagtctctg aaaatggaag aaaatatagc agatatggaa ggtgcactgg acattccagc tacatcacac accttgactg gtccccagac aacaagtata taatgtctaa ctcgggagac tatgaaatat tgtactggaa cattccaaat ggctgcaaac taatcaggaa tcgatcggat tgtaaggaca tttgattgga ccgacatata cctgtgggct aggacttcca gga	60 120 180 240 300 360 393
<210> 628 <211> 233 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(233) <223> n = A,T,C or G  <400> 628	
ctggatttat aaaatagttg aatgacaaaa gaagnntgtt ttgacagtaa aaaaaagaca ttatggacaa aatatgcaaa atgtgcaaag aaaaaataaa tttgcattag aaaggtgggc atttgatctc tgagccctgt gccatgtaac attgccatgt tctttcactg ttgtttgaat gttgtacccc ancccttgac tctggactta aggcaagcta tgactggctt tgg	60 120 180 233
<210> 629 <211> 450 <212> DNA <213> Homo sapien	·
<220> <221> misc_feature <222> (1)(450) <223> n = A,T,C or G	
<pre>&lt;400&gt; 629  ccnggacaat ntaggcagga gaaggaaata aagggtattc aattaggaaa agaggaagtc aaattgtccc tgtttgcaga tgacatgatt gtatatctag aaaaccccat tgcctcagcc caaaatctcc ttaagctgat aagcaactcc agcaaagtcg caggatacaa aatcaatgga cacaaatcac aaacattctt atacaccaat aacagacaaa cagaggccaa atcacgagtn gaactctatt ccaattgctt tcaagaaaat taaaatacct agggatccaa cttacaaggg acatgaagga cctcttcaag gagaaactac aaaccactgc tcaatgaaat aaaagaggat acaaagaaat ggaagaacat tccatgctca ttggtagctt gatggggatg gcattgaatc tataaattac cttgggcagt atggacctca</pre>	60 120 180 240 300 360 420 450
<210> 630 <211> 486 <212> DNA <213> Homo sapien	
<400> 630 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga	60

gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag ttattctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtagggg	120 180 240 300 360 420 480
<210> 631 <211> 211 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 631 tttacataaa tattatacta gcatttacca tctcacttct aggaatacta gtatatcgct cacacctcat atcctcccta ctatgcctag aaggaataat actatcactg ttcattatag ctactctcat aaccctcaac acccactccc tcttagccaa tattgtgcct attgccatac tagtctttgc cgcctgcgat gcagcggtag g</pre>	60 120 180 211
<210> 632 <211> 293 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(293) <223> n = A,T,C or G	
<400> 632 cagcgcaagt aggtctacaa gacgctactt cccctatcat agaagagctt atcacctttc	60
atgatcacgo cotcatagto attiticott atotgottoo tagtootgta tgocottito	120
ctaacactca caacaaaact aactaatact aacatctcag acgctcagga aatagaaacc	180
gtctgaacta ngctgcccgc catcatecta gtcctcateg ceeteccate ectaegeate etttacataa cagaegaggt enaegateee teeettaeea teaaateaat tgg	240 293
<210> 633 <211> 263 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(263) <223> n = A,T,C or G	
<pre>&lt;400&gt; 633 nggtctgcag tgtccctttt tatatcatgc tagtgttgag acatacttga ctaacttggg aacagttcga tatattgaca accgtcaact taagaaaatc aacagctttt ggccccagcg tccaagtgaa cttttcatgg agtgcagaat ctcaaatgga caaaatactt tgtctttta</pre>	60 120 180

aatactgaaa attnaattat tagtactatg a tgcatcaaac tcaattcagg agg	ectgaaagat tetteatgge	taaaaagctc 240 263
<210> 634		
<211> 491		
<212> DNA		
<213> Homo sapien		
<400> 634		
cctactatgg gtgttaaatt ttttactctc t	ctacaaggt tttttcctag	tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt t		
aatttaaagt tgaactaaga ttctatcttg g		
ttgtcgcctc tacctataaa tcttcccact a		
agctgttctt aggtagctcg tctggtttcg g	gggtcttag ctttggctct	ccttgcaaag 300
ttatttctag ttaattcatt atgcagaagg t	ataggggtt agtccttgct	atattatgct 360
tggttataat ttttcatctt tcccttgcgg t	actatatct attgcgccag	
ctatcgccta tactttattt gggtaaatgg t	ttggctaag gttgtctggt	
agtgggtttg g		491
<210> 635		
<211> 270		
<212> DNA		
<213> Homo sapien		
<400> 635		
ccaattgatt tgatggtaag ggagggatcg t	tgacctcgt ctgttatgta	aaggatgcgt .60
agggatggga gggcgatgag gactaggatg a		
atttcctgag cgtctgagat gttagtatta g		
gcatacagga ctaggaagca gataaggaaa a		
ataagctctt ctatgatagg ggaagtagcg		270
<210> 636		
<211> 383		
<212> DNA		
<213> Homo sapien		•
<400> 636	•	
cctactatgg gtgttaaatt ttttactctc t	ctacaaggt ttttcctag	tgtccaaaga 60
gctgttcctc tttggactaa cagttaaatt t		
aatttaaagt tgaactaaga ttctatcttg g		
ttgtcgcctc tacctataaa tcttcccact a		
agctgttctt aggtagctcg tctggtttcg g		
ttatttctag ttaattcatt atgcagaagg t		
tggttataat ttttcatctt tcc		383
<210> 637		
<211> 537		
<212> DNA		
<213> Homo sapien		
<220>		

```
<221> misc_feature
      <222> (1)...(537)
      <223> n = A, T, C \text{ or } G
      <400> 637
                                                                      60
ttttaatcct ggggtatata ggcagnactt taaattgcaa agtcttccgg gcctattttc
ctctacattt ttgtaattaa ctctgggggc ttacttgttt tggcagtact gaaatcaaag
                                                                     120
gagetggtte ttetttete ceaattattt teatatgaaa geacetaeaa ttageetgtt
                                                                     180
                                                                     240
agtectatte agatacatea aatateagtg aatgetttae tattegeaca tttaageate
                                                                     300
tttgttttac ataaaattag agtatgaaaa ccagtgttca attttttatc ttgttgagct
                                                                     360
tqtaaaatgc cagcaattta aaactaggac ttttcccccc ataagccaag gaggtagaat
                                                                     420
tactaataca agggttaaag aaggtagatt ttgttttcaa tatttgggta atattagaaa
                                                                     480
gattettece acagggaaga actagcaagt gteecaattt ttteeaaacg ttggggaggg
gaaaattcac tgtatcatga aaccctaagg gtttgngtgc acttcctgct ttttagg
                                                                     537
      <210> 638
      <211> 445
      <212> DNA
      <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1) ... (445)
     <223> n = A,T,C or G
      <400> 638
ccagcagaac acagnagtga tttggtcccg tttgttcccc agtggggtat ctatccttgt
                                                                      60
                                                                     120
gcagggcaca agcctacatg gtggctctgg tcatatcatt agaaaataga cagaaatggg
180
                                                                     240
aqtcaattca tttagactgg tagaaccaga accactgtgt agtacatcca aacggttaaa
attccctgga agatgttaca taatcctatc atggtgttta tttatggaaa tctattttaa
                                                                     300
                                                                     360 ·
aaattttatg taatactgca cagtctgttt gcatgatgcc ttgtacgtag tagcaactca
                                                                     420 🗼
gtaaatactt tttgaatgaa ctagtatagt attttaatta gctagtcttc gtgtactggt
acaaaagaac agtgtcatct tacag
                                                                     445
      <210> 639
      <211> 584
      <212> DNA
      <213> Homo sapien
      <400> 639
gcttgagtat tctatagtgt cacctaaata gcttggcgta atcatggtca tagctgtttc
                                                                      60
                                                                     120
ctgtgtgaaa ttgttatccg ctcacaattc cacacaacat acgagccgga agcataaagt
gtaaagcctg gggtgcctaa tgagtgagct aactcacatt aattgcgttg cgctcactgc
                                                                     180
ccgctttcca gtcgggaaac ctgtcgtgcc agctgcatta atgaatcggc caacgcgcgg
                                                                     240
                                                                     300
ggagaggegg tttgegtatt gggegetett cegetteete geteactgae tegetgeget
cggtcgttcg gctgcggcga gcggtatcag ctcactcaaa ggcggtaata cggttatcca
                                                                     360
                                                                     420
cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa aaggccagga
acceptaaaaa ggccgcgttg ctggcgtttt tccataggct ccgccccct gacgagcatc
                                                                     480
acaaaaatcg acgctcaagt caagaggtgg cgaaacccga caggactata aagataccag
                                                                     540
gegttteece etggaagete eetegtgege teteetgtte egac
                                                                     584
```

```
<210> 640
      <211> 404
      <212> DNA
      <213> Homo sapien
      <400> 640
ccataggaac gcactcaggc aggtggtttg ttctggatgc agaaaccaga gatctagttt
                                                                         60
ctatccacac agacgggaat gaacagctct ctgtgatgcg ctactcaata gatggtacct
                                                                        120
teetggetgt aggateteat gacaacttta titaceteta tgtagtetet gaaaatggaa
                                                                        180
qaaaatatag gagatatgga aggtgcactg gacattccag ctacatcaca caccttgact
                                                                        240
qqtccccaga caacaagtat ataatgtcta actcgggaga ctatgaaata ttgtactggg
                                                                        300
acattccaaa tggctgcaaa ctaatcagga atcgatcgga ttgtaaggac attgattgga
                                                                        360
                                                                        404
cgacatatac ctgtgtgcta ggatttcaag tatttggtgt ctgg
      <210> 641
      <211> 138
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(138)
      <223> n = A, T, C \text{ or } G
   . <400> 641
ctgtgacagg aacattacct gaagtgcagg gtggttacct gcacaaagtc ccatttccaa
                                                                         60
aaatttctgt gtaattcacc agaaattttg gatggaataa ttagaaaaaa aaaaagaggt
                                                                        120
                                                                        138
taaaacntgt aactcaaa
      <210> 642
      <211> 381
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(381)
      <223> n = A, T, C or G
      <400> 642
ctgtaggtgg aatttttacc cagaaaagat aggccctaga agcctcattt cttttctcca
                                                                         60
tggaaaagga cagccctctg ctgcagcgtt caacttgtgt gtttactgac agagtgaact
                                                                        120
acagaaatag cttttcttcc taaaggggat tgttctacat tttgaagtta tttttaata
                                                                        180
aaattgaatt atgttgtgta ttgtgcttcc taataggaaa tgcattattg gactgttttt
                                                                        240
                                                                        300
gtaacatcct gtttattgca aatagctagt atcgttcaaa aactgtataa aatacttttg
tacatattag caatgtctaa tttgtataca cttcagttaa atttccctaa aacttgaaag
                                                                        360
gggaccttgt anaaattaaa a
                                                                        381
      <210> 643
      <211> 403
```

<212> DNA <213> Homo sapien <400> 643 60 ccttcctaaa aaatagtggt gagctggagg ctacttccgc cttcttagcg tctggtcaga 120 qaqctgatgg atatcccatt tggtcccgac aagatgacat agatttgcaa aaagatgatg 180 aggataccag agaggcattg gtcaaaaaat ttggtgctca gaatgtagct cggaggattg aatttcgaaa gaaataattg gcaagataat gagaaaagaa aaaagtcatg gtaggtgagg 240 tggttaaaaa aaattgtgac caatgaactt tagagagttc ttgcattgga actggcactt 300 360 attttctgac catcgctgct gttgctctgt gagtcctaga tttttgtagc caagcagagt tgtagagggg gataaaaaga aaagaaattg gatgtattta cag 403 <210> 644 <211> 688 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(688) <223> n = A,T,C or G <400> 644 cctatttatt tgttttggcc ctggatcttt cctaatcaca attatatttc tttatttttg 60 cctttgagca gtttcattta tctttgtggg cagggaagat taaatatgaa attcagtcca 120 gtcattttgc tactggttag ctttagtttg aggcaagtaa aaatttttga ttaaaattag 180 tttcttaaaa ttatgccctt gctttaccaa ataatcaaat tggctaaaaa ataagggtat 240 gtaactttgc attttgaaga acaaaccaat aatttttcat gagccctact cgatcttctt 300 taaagaagac cttcctaaga gacaattagg gatgagtttg attaatggga aatagctcta 360 420 ggttagatta ttttaaattc catacaccaa gtgatttaac cacagtggca gtggcagctt 480 ctgaaccgtc aagtatgaac atcacttaaa aattaaaaga tgcttaataa taaactctta attttcatta agccaatctg taattcagaa gaaaagcata tgtctgccat gggactattg 540 cagtgcgtct ccatcagtgt taacacagga gagatatgtt attttatgtg tatgtcttag 600 660 tttgggatat gtggtagtaa gaacatgtca agagtgcttt tcttcaaacc tgncagctca 688 actgangaaa gacaggtact tccattgc <210> 645 <211> 484 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(484) <223> n = A, T, C or G<400> 645 ccaaatgtgt ctccagccca cacttccagg tggcagagcg agctctctat tactggaata 60 120 atgaatacat catgagttta atcagtgaca acgcagcgaa gattctgccc atcatgtttc cttccttgta ccgcaactca aagacccatt ggaacaagac aatacatggc ttgatataca 180 240 acgccctgaa gctcttcatg gagatgaacc aaaagctatt tgatgactgt acacaacagt

•	
tcaaagcaga gaaactaaaa gagaagctaa aaatgaaaga acgggaagaa gcatgggtta aaatagaaaa tctagccaaa gccaatcccc aggtactaaa aaagagaata acatgaaaac gcccagggtt acttgaatgt ttttataaga taggaatata tgtcttcacc atggggggg gtctcggatt tcactaacgt tgtatatgaa aatgggtgcn ataaaaaagta cttttaaact ttgt	300 360 420 480 484
<210> 646	
<211> 447	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(447)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 646	60
gggtcgcgtt gaacaacttg gttcaagatg gtgggggcat ttttagagcg gcaataattg	120
aaaaaaaagg cgaactctgc cttggagagg tagatgataa gaaataaaaa ggtgtttata actattttgt attataaagt gggccttaga gataggaaga agaatgatgg attccttttg	180
gatcaatcag aaaggaaaca cgaaagaaaa gtcaggaagg tagagagaga aaaagggagg	240
gaaggagaaa gaatgggaat aaaataagga ggtaagagat actatttttg ctgagcaacc	300
agtgtgtttc aggatgatac aaagaaaaat atagaataga	. 360
cagctacaaa tootaaagat ggggtgtgtg tggatgtgtg tgtgtgtgtg	420
tgtgtgtttg taaaatgtgt atgtccc	447
<210> 647 <211> 388 <212> DNA <213> Homo sapien	
<400> 647	
gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttcc	60
tcaggtttag aacaatttcc cctgcaagtt ctcacacaga taggcagaaa tcataactaa	120
ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatttg	180
gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaactct	240
aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataagg	300
gaaaataagc tttcctagaa tttttcagtg ttctagtttt taaacagtga tgttttttat	360 388
taacctattt catccattca aagacagg	300
<210> 648	
<211> 632	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(632)	
<223> n = A,T,C or G	
<400> 648	

```
cctggctggg cntttgacct gcgnttttaa atnactcaca gagggtggga caggaggaag
                                                                        60
agtgaaggaa aaggtcaaac ctgttttaag ggcaacctgc ctttgttctg aattggtctt
                                                                        120
aagaacatta ccagctccag gtttaaattg ttcagtttca tgcagttcca atagctgatc
                                                                       180
attgttgaga tgaggacaaa atcctttgtc ctcactagtt tgctttacat ttttgaaaag
                                                                        240
tattattttt gtccaagtgc ttatcaacta aaccttgtgt taggtaagaa tggaatttat
                                                                        300
taagtgaatc agtgtgaccc ttcttgtcat aagattatct taaagctgaa gccaaaatat
                                                                        360
                                                                        420
qcttcaaaag aagaggactt tattgttcat tgtagttcat acattcaaag catctgaact
                                                                        480
gtagtttcta tagcaagcca attacatcca taagtggaga aggaaataga tagatgtcaa
agnatgattg gtggagggag caaggttgaa gataatctgg ggttgaaatt ttctagttnt
                                                                        540
                                                                        600
cattccgtac atttttagtt agacatcaga tttgaaatat taatgttacc tcctcaatgg
ggtggtatca gacctgcccg ggcggncgnn tc
                                                                        632
      <210> 649
      <211> 300
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1) ... (300)
      <223> n = A,T,C or G
      <400> 649
nggtgaagat agaanaaata taagcgaaat tggataaaat agcactgaaa aaatgaggaa
                                                                        60
attattggta accaatttat tttaaaagcc catcaattta atttctggtg gtgcagaagt.
                                                                       1.20
tagaaggtaa agcttgagaa gatgagggtg tttacgtaga ccagaaccaa tttagaagaa
                                                                       180 -
tacttgaagc tagaagggga agttggttaa aaatcacatc aaaaaggctac taaaaggact
                                                                       240
ggtgtaattt aaaaaaaact aaggcagaag gctttggaag agttagaaga atttggaagg
      <210> 650
      <211> 498
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(498)
      <223> n = A, T, C \text{ or } G
      <400> 650
                                                                        60
nqtnctqnta aacaqaaggg tacaangccc ttctggcttt aagcagtcat aggaatgtga
                                                                       120
cagacattcc tcttagggag cgcctcctcc tagggtttcc tcatctgtct cacactgagt
ggatgtaatg ctattttaat cctgctgtgg cccccaatac tagtacttgt ccataccttc
                                                                       180
ttgcattttt agcgtctgct ctgtggggtt gttaggccct ggcactccca ggaactagtg
                                                                       240
                                                                       300
ctaaagctgc atcintcict cccctctagg gatcgataaa gittcactgc agaaagtctc
cactgcggta tgctgacatc tgccctgaac cttcacccta cagcattaca ggctttaatc
                                                                       360
agattctgct ggaaagacac aggctgatcc acgtgacctc ttctgccttc actgggctgg
                                                                       420
                                                                       480
ggtgatcctt ggtgcctttg tttccacaag gccttttcct gccccctgcc ttgccaaaga
catttaatca gcacacag
                                                                       498
```

```
<211> 654
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(654)
      <223> n = A,T,C or G
      <400> 651
                                                                        60
ctgagggtcc ccaggtttct aaagctctca ggacgagaaa gtaggtccca agataaggag
cctaaagggc ttttttcttt ctgtgtattc cttcttggcc tccaacatgg gtacagtcac
                                                                       120
aagagcatgt aacagagaag aaggactana cctaccattt tctggataaa gaattggaaa
                                                                       180
                                                                       240
gaggatccac aggtaaccaa aaagtaccag ggaaatggca gagaaggaaa acctcaggag
                                                                       300
accaacctca taagtggtat ttattagngc ctgggctcaa atccaaattg tacatgaata
tgtctggtcc tagatagggt accgaagact ttgaaagtga attttggtat atcattgccc
                                                                       360
agattccaga ctggntattg tgtgacacaa catacaggat atatctgaat agtgctcaga
                                                                       420
agagtttgaa aatgcaaatg atattaaaat aaagatgaaa aagagaaagc tggtcagaac
                                                                       480
                                                                       540
ttgtggacat aaccettetg gatetgtnge etgattaaaa aatagttgat attetegaat
gaattaaaac aagatttaga gactgagcat ggtagctnat tcttgtaatc caacnctttg
                                                                       600
ggagggcaag gcaanagaat tgcttgcggc caggagtttt gagaccagct tggg
                                                                       654
      <210> 652
      <211> 293
      <212> DNA
     <213> Homo sapien
    . <220>
     <221> misc_feature
     <222> (1)...(293)
     <223> n = A,T,C or G
      <400> 652
                                                                        60
ngtctgttgc actgaggtga ctaaggatac attttgagga agtagctcca agaacatttc
cattttcact gtgccttcac atacatctaa tggaaatgaa cagcaccctt catccatcca
                                                                       120
                                                                     180
cggaagcgat taagaaaagg gtgggatgga aaaattaacc caacaatatt agatcaatac
gtagtattta agngtccata atgtgccagg ctgaagatgc acgggaaaac cacactagcc
                                                                       240
ggtctgtcaa gggcttgaga ataccataaa caagaaaaca gacgaaccaa ttt
                                                                       293
      <210> 653
      <211> 294
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(294)
      <223> n = A, T, C \text{ or } G
      <400> 653
ngtccaccac tgcagcccta catacagttg aaaaaaaatt ccattctgtt aacatttgtt
                                                                        60
```

ttataagttt tcacgcaata cacaaaaaac ccctctgcac ttctt	gtaaa gaacaaaaaa 120
gatacacaac agttaagcgt aaagatcaca ggcaatagca ttcaa	acatg gatgtgggta 180
gagaaaggag tacctggcat gagtacctgc ttagtttgac tgaat	ccttg atttttaatt 240
tggcttttca tgggccgctc acaacaccaa cgctgtgtga ggtat	ggtag tcag 294
<210> 654	
<211> 250	
<212> DNA	
<213> Homo sapien	
<400> 654	
ctgtccttga acaagtatca atgtgtttat gaaaggaaga tctaa	atcag acaggagttg 60
gtctacatag tagtaatcca ttgttggaat ggaacccttg ctata	3 33 3 3
aaggaaattt aggaggcata ggccatttca ggcagcataa gtaat	
agaagctcct ttagattggg atagattcca aataaagaat ctaga	3 33
aattatgagg	250
<210> 655	
<211> 494	
<212> DNA	
<213> Homo sapien	
<400> 655	
ccattataat tttataacac cattaccctt taaattctac cgatt	ataaq caqcqtaaaa 60
gtaactatat aaagcaaaca tcgcaaagga actctgcagg agctc	5 5 5
agctatcata aaattcactt tcctgaagac atttactctc attca	
cctttttctg gtagcaccac ttttgttttt aatagaaaga tgagt	
tctccaaagc tctaaggaat gagaaaagga tcctagtata ttgaa	<del>-</del>
tacctctgcc tittcactaa aagccattta atattttaa agtca	
gtatttataa ggaatctcca tgactctgaa ggaatgaaat tgatg	5
atgtaaagac atagtagagg acaattactt aaagaagagt tttct	
atttgactaa gcag	494
decegaceda goag	-5-
<210> 656	
<211> 477	
<212> DNA	
<213> Homo sapien	
<400> 656	
cgcgttactg tacatattgc tagcaggaga caactggaaa tacta	aacaa atactggaat 60
tcacattaca gacagacgaa accaacatgg atgccacaca taact	<b>-</b>
cagagggcct atttgtggtt gctcaggtgg ggtcatacat tgctt	<b>5 5</b>
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatg	3 3 3
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tattt	3 33
agagaatcac tctcaaattt aacccaagat aagcaatagg atttg	
catttctaac aacacttttc ttttttctag aggtcactct caaac	3333 3 3
tagtttgagt gtagggattc agtaatcaaa ggttgttatt gcaaa	•
<210> 657	
<211> 576	
<212> DNA	

<212> DNA

```
<213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(576)
      <223> n = A, T, C or G
      <400> 657
cctctacctg tanatcacta tttttctaaa gacaatttgg tgttttgaag ataaatgtca
                                                                        60
ttagtctatg ataatagcat cataggacaa ttagccattt tagacttgac catattttct
                                                                       120
ctttttagca tatagccatc ttgatattta ggtgggagac tactccaatg gagcaacagt
                                                                       180
ttcattttac atgattggat ttagaaattt acaaatttta aactcataag aattctaaat
                                                                       240
aatttgaaaa tggaaacatt tgacccacag tctagcagca taaatacatt tataaaatac
                                                                       300
ttcattgttg atcttaggtc attgatttaa aacagaattt ggtgactatg ggcaggtgga
                                                                       360
gggggccagt gaggaaggta taaaagagaa atctttatga attgtgttca gattgatttt
                                                                       420
gtataaacat aatatattca tggttgtatc tcttatttat aatacccaac taacatgaag
                                                                       480
gtggtccaag ggaaggatca atattttaaa taacatattt gcttaaaaata tcatacagtg
                                                                       540
gctgcttcat aaaaaatctt ataaactttt attacc
                                                                       576
      <210> 658
      <211> 344
      <212> DNA
      <213> Homo sapien
     <220>
      <221> misc feature
      <222> (1)...(344)
      <223> n = A, T, C or G
      <400> 658
                                                                        60
cctqaaaaqa aaqntqctct tatggactct tgcatgttaa gactatgtct tcacatcatg
gtgcaaatca catgtaccca atgactccgg ctttgacaca acaccttacc atcatcatgc
                                                                       120
catgatggct tccacaaagc attaaacctg gtaaccagag attactggtg gctccagcgt
                                                                       180 ...
tqttaqatqt tcatgaaatg tgaccacctc tcaatcacct ttgagggcta aagagtagca
                                                                       240
catcaaaaqg actccaaaat cccataccca actcttaaga gatttgtcct ggtacttcag
                                                                       300
                                                                       344
aaagaatttt catgagtgtt cttaattggc tggaaaagca ccag
      <210> 659
      <211> 230
      <212> DNA
      <213> Homo sapien
      <400> 659
                                                                        60
ctgctttccc tgctaaacag ttccagagca aaagcagcaa aaagaaaata tgggagggat
atqqqcaacq tatactcqaa cgtacgcaga gaagagagta cggttagctc taatatttct
                                                                       120
                                                                       180
cattqaactt qqtqqtatqt gccttccctg catataaggc catagtgctt ttttgggagc
                                                                       230
gctagaatat ccatccactt gacagtgacc acaaaatagg ctgtttccag
      <210> 660
      <211> 80
```

```
<213> Homo sapien
      <400> 660
ctggtccttg ttaaactcga tcaccacttt ggagagatcg actggaggct cctgggtgtt
                                                                         60
                                                                         80
ctgagggcc tgggggacag
      <210> 661
      <211> 535
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(535)
      <223> n = A,T,C or G
      <400> 661
                                                                         60
ctgaaccata tctgattaac tctttggtct ctgttattgg aacaaaaccg acgctatgcc
tgcagccgcc agactgcaac caaaaacaca gtttggggtc agaagacatt aaaaatcaca
                                                                        120
ataaaatagg atgaatgttc taagtcacgc aactgaatca aggcaccttt tttttcaaa
                                                                        180
agcaaaaagt tgtttaacaa tattccagaa tagtagatac ttcaaaaaacc agattacagt
                                                                        240
atatatcatt tigcigcaca tittagicta titticigiat acatagicac acaticitta
                                                                        300
ccctctccca acttatacat gctttatccc cccagtcatg tgctatgtag gtataaaaaa
                                                                        360
ataaagttgt atctaaacaa gtgatttaaa aaaaaaaact aacgaatgcc ncnatnataa
                                                                        420
enetgaactt gttteeetnt tgaaggacat tggaaatgtt accgaggttn ntttacetng
                                                                        480
gccgcaaccn cnctangggc naattccagc ncactggggg ccgttactag gggat
                                                                        535
      <210> 662 '
      <211> 257
      <212> DNA
      <213> Homo sapien
      <400> 662
cctgactaaa gcacatatca cactccctac acttccatgt tttctctccc atgtggaccc
                                                                         60
totgatgoat atcaagatto aagogootgt tgtagooott cocacagtoo toacatttgt
                                                                        120
                                                                        180
atggetttte tacactgtga actttttett geactttaga gaatgaatte tgtacaatgt
tetteceatg etgeteacat ttgagaggtg tttetetget gtggegtete tgatgggtea
                                                                        240
                                                                        257
gacgagttga ggaccag
      <210> 663
      <211> 516
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(516)
      <223> n = A, T, C \text{ or } G
      <400> 663
                                                                         60
ccaattatag gtattttatt ttttaaagat tagagngttc ttgaagctct ttctatttct
```

```
ttgtcaatga actaaacatt ggcaaatatg tagggtttcc cacataagaa cattattaac
                                                                       120
                                                                       180
atcaaaatag aaagctggtg gtagaaataa tgattgggaa cacagagtct ctactcagcg
ttctacttct gccataccat aactttgtga tctcacgaaa tatctctcca tgttctcatc
                                                                       240
                                                                       300
cctatgtata gttctgtcat ttttcaataa gagctttttg cttaattatg aagtactagt
tactataacc attattttga gcttcatgta aatcaagaac acatggactc cacttgcaaa
                                                                       360
acattgaaaa tgtagttagg gattgggggc aaaaagcaac attttaaaat gtgtaaagac
                                                                       420
                                                                       480
aatgagtaag caacaaagtg tccaattttt taggcgaaag ttgcatatgt caggaaaagg
                                                                       516
caggattaag taatagagaa tttgaatgat aactgg
      <210> 664
      <211> 212
      <212> DNA
     <213> Homo sapien
     <400> 664
gtccgaggag gttagttgtg gcaataaaaa tgattaagga tactagtata agagatcagg
ttcgtccttt agtgttgtgt atggctatca tttgttttga ggttagtttg attagtcatt
                                                                      120
gttgggtggt aattagtcgg ttgttgatga gatatttgga ggtggggatc aatagagggg
                                                                     . 180
                                                                      212
gaaatagaat gatcagtact gcggcgggta gg
     <210> 665
     <211> 408
     <212> DNA
     <213> Homo sapien
     <220>
     <221> misc_feature
     <222> (1)...(408)
     <223> n = A,T,C or G
     <400> 665
atccaggggt ncccggtngc tgcngggaaa cctccagcct tgttcttcaa accactcagc
                                                                       60
                                                                      120 ...
tcatgtgttt tgcgctgact agtactgaat aatacaacca ctcttattta atgttagtat
tatttatttg acaactcagt gtctaacagc ttgatatgca ggtccttgca tcctacattt
                                                                       180
                                                                       240
ctttaggaag ttacccattt gtaactttaa aaacaggaaa aatatcagtt ggcaaatgca
atctttttt tttttaagct aaaggggggn naacngnaan naaaatnttt ntgangtngg
                                                                      300
gtctataagc accettgang ggatntgtta aaagngncat naanggggga ttctcntttn
                                                                      360
gcaaaaaaat ntaannatca atttatanan ctttatttt nactttnt
                                                                       408
     <210> 666
      <211> 635
      <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
      <222> (1)...(635)
     <223> n = A,T,C or G
      <400> 666
ctgaagnaca agggtcaggc aaaaataaga tcacaatcac caatgaccag aatcgcctga
```

cacctgaaga aatcgaaagg atggttaatg atgctgagaa gtttgctgag gaagacaaa agctcaagga gcgcattgat actagaaatg agttggaaag ctatgcctat tctctaaag atcagattgg agataaagaa aagctgggag gtaaaccttc ctctgaagat aaggagaga tggaaaaagc tgtagaaga aagattgaat ggctggaaag ccaccaagat gctgacatt atcatggaag tgcaggcct ccccaactg gtgaagagga tacagcagaa aagattgat tgtagacact gatctgctag tgctgtaata ttgtaaatac tggactcagg aacttttgaagaaaaaa tgaaagaact tanctctcga atgtcattgg aatcttcacc tcacagtggtgaaactg ctatagccta agcnggctgt ttactgnttt ncattagcag gtgctcacc	ga 180 ca 240 tg 300 ac 360 gt 420 tt 480 gn 540
tgtctttggg gtgggngggg ggagaaagaa agaan <210> 667	635
<211> 388 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 667 gaaggtgata taaaatgact gtcatcattt ggagtgtgca gtacagttac ttcatgttc tcaggtttag aacaatttcc cctgtaagtt ctcacacaga taggcagaaa tcataacta ttttggttaa tcactatggc agccgttgaa gaatttaaga gaacctgcca gtaagatta gaataagatt ctatattatt gcatccacag aaaagaatgt actgatatac tataaacta aggagaaaac ttaattgaaa tagtgttatt aagtgttgaa agtaccataa aaatataag gaaaataagc tttcctagaa tttttcagtg ttctagttt taaacagtga tgtttttta taacctattt catccattca aagacagg</pre>	aa 120 tg 180 ct 240 gg 300
<210> 668 <211> 498 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(498) <223> n = A,T,C or G	
<pre></pre>	ta 120 ta 180 tg 240 at 300 tt 360 ct 420
<210> 669 <211> 622 <212> DNA <213> Homo sapien	

<400> 669	agattataaa	tantagan	60
ccttagccaa agaatgcagt ggagccttcc cccttcaact			120
ttaacagcat aaaaattaat agtcccatat cagatctgga			180
gatgtcccta tcctgttgta gtgaacacaa tagcagaaaa			240
tataaagtct tggtaaaaca gcattactat gaagaggatg gaggaaaagt gaaaaggact taggctttag tcctccatga			300
cctgtaataa gctgagtgca aaaggatgcc gaagaaaatc			360
aagcactgca gagaacaggg tatgaagaaa ataaagagtt			420
ctttgttcaa ggtaaccttg ccaaaagggc agagtaggtg			480
tagetetaca etgeatttga aaataaaatt tgeceatttt			540
aatgtgcttt ttacactgca ggtcaatata aaaactggtt			600
ttatgttcat ttgctcacag ca		3-3-3	622
<210> 670			
<211> 477			
<212> DNA			
<213> Homo sapien			
<400> 670			
ttgggccctc tagatgcatg ctcgagcggc cgccagtgtg			60
cccttgccgc ccgggcaggt gatggatgag gagcaaaaac	tttatacgga	tgatgaagat	120
gatatctaca aggctaataa cattgcctat gaagatgtgg			180 .
ccagtagagg agaaaataga gagtcaaacc caggaagagg			240
atagaaaaaa atgaacaaat caacgatgag atgaaacgct			300
gaagaagatc ttcggaaaga gagtaaagac caactctcag			360
gcctatttga aaaggttagt aaatgctgca ggaagtggga			420
ggggaaaggg ccaccaggct ttttgagaaa cctcttgatt	ctcagtctat	ttatcag	477
.010. (71			
<210> 671 <211> 127			•
<211> 127 <212> DŃA			
<213> Homo sapien			
(213) Homo Bapton			
<400> 671			
gtgtgtgtgt ctacttgggc gtgtttaacg tgtgcgtttg	tatctacata	tgcatgtgtc	. 60
tgtgtgtgcg cgtgtatttc agtttgggtt gccggatccc			120
acctgag			127
3 3			
<210> 672			
<211> 400			
<212> DNA			
<213> Homo sapien			
<400> 672			
gggtctgcac agctatgtta acagcatcct tataccagga			60
ggaaaagcaa ttcaagctgg tcacacagtg taatgcaaaa			120
tcagaaagag tgtaacaaag aaaagaacag aaactcttca			180
tcgagtgggt cttgcaccat tgcctggaat gaaaggaaca			240
tatcatgggc tattatagga gcaatgaatt tattataact			300
tacgaaagat ttctggcgaa tgatttggga tcataacgca	cagatcattg	ccatgctgcc	360
agacaaccag agcttggcag aagatgagtt tgtgtactgg			400

```
<210> 673
      <211> 600
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(600)
      \langle 223 \rangle n = A,T,C or G
     <400> 673
                                                                         60
ctggcgttgc tcattagtga atgtatgaca gcaggatgtg aggggatgcc caggagtcag
tgttagcatt gtcatctgag atcactgcta ttaatatcat ccattaattt attagtgagc
                                                                        120
                                                                        180
ttcactatat gcagactggg agataaggag aaaatctgtc acattctctc tagctaatca
gatcagctac caattaatga gattctgaat gaaatatcaa tatgtgtttt tctaatttgg
                                                                        240
acctaggaca gagctgttgc ttgtcataga gaaaaacaat aatgcttaaa catagcacat
                                                                        300
                                                                        360
tataattaaa gcaggtttct cacatacttt tcattttatc ctttggataa ttttgtgagg
aacgcaggac accaacttcc ctttcataga tacaatcccc atgctattga tgaaagtgtt
                                                                        420
tttgaatgaa gccatacaac aaataactga tcaaagtggc attacaccaa aatttcttag
                                                                      480
taggactcct gcatagaatg tttagataga cgtgaaaagt ttgttcanga ggaccagcaa
                                                                        540
gagagaaact gggttctttg ggagggtttc ggtgctacat ttataccctn catcagagtn
                                                                      600 .
      <210> 674
      <211> 140
      <212> DNA
    <213> Homo sapien
      <400> 674
ggtggttggt gtaaatgagt gaggcaggag tccgaggagg ttagttgtgg caataaaaat
gattaaggat actagtataa gagatcaggt tcgtccttta gtgttgtgta tggctatcat
                                                                        120
                                                                        140
ttgttttgag gttagtttga
      <210> 675
      <211> 245
    · <212> DNA
      <213> Homo sapien
      <400> 675
                                                                        60
gttgggtggt tggtgtaaat gagtgaggca ggagtccgag gaggttagtt gtggcaataa
aaatgattaa ggatactagt ataagagatc aggttcgtcc tttagtgttg tgtatggcta
                                                                        120
                                                                        180
tcatttgttt tgaggttagt ttgattagtc attgttgggt ggtaattagt cggttgttga
tgagatattt ggaggtgggg atcaatagag ggggaaatag aatgatcagt actgcggcgg
                                                                        240
                                                                        245
gtagg
      <210> 676
      <211> 621
      <212> DNA
      <213> Homo sapien
      <220>
```

<221> misc\_feature

```
<222> (1)...(621)
      <223> n = A, T, C \text{ or } G
      <400> 676
ctgtccccag ggnaaatagt ngaattcaac taagatctgt taataagatg tcagaataac
                                                                        60
taataatttt attaggaaaa aatcatgttt taaatttcaa aatgacactt atttgtcaag
                                                                        120
taatatgatc ttggaaaatt ttaaagaaaa ataatcctac ttataaacta cttttttata
                                                                        180
attgttttca gaaaaaaagt ttacagtctt aaggaaaata ttcaggtcta tcatatggtt
                                                                        240
                                                                        300
tgacagattt tttaaaaagtt atttttggta aggtcttctt ttagaaaaaa attaatctca
agggtttttt gtaccactat aatctctaat acttactcag aattactgtg tatttactta
                                                                        360
atttcttatt atgtgcctta ttatgtgctt aagatacaat aggttagagt ttaatctaaa
                                                                        420
tatcttgaaa gctatattgt gggcttggta agcattttgt tttttctttc tctgttttgg
                                                                        480
taaggattta aaatttttt cattgcaatt ttaagtggtt ttcaataagt aatagttttt
                                                                        540
                                                                        600
atcaaatttt tggtgcttgg tgcagagacg gcgtggggaa gggtgaatgg ttttgggaat
                                                                        621
aattcagtgc acacctgggg g
      <210> 677
      <211> 210
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(210)
      <223> n = A,T,C or G
      <400> 677
                                                                        60
tttacataan atattatcag catttaccat ctcacttcta ggaatactag tatatcgctc
acacctcata tectecetae tatgeetaga aggaataata etateaetgt teattatage
                                                                        120
                                                                        180
tactctcata accctcaaca cccactccct cttagccaat attgtgccta ttgccatact
                                                                        210 .
agtctttgcc gcctgcgaag cagcggtagg
      <210> 678
      <211> 383
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(383)
      <223> n = A,T,C or G
      <400> 678
                                                                         60
gtaggagtca ggtagttagg gttaacgagg gtggtaagga tggggggaat tagggaagtc
agggttaggg tggttatagt agtgtncatg gttattagga aaatgagtag atatttgann
                                                                        120
                                                                        180
aactgattaa tgtttgggnn tgagtttnta tatcacagcc anaattntat gatgnaccat
gtancgaaca atgctacagg gatgaatatt atggagaagt antctanttt gaagcttagg
                                                                        240
gagagetggg ttgtttgggt tgnggetean tgteagttee anataataae ttettggtet
                                                                        300
                                                                        360
aggcacatga atattgttgt ggggaanaga ctgataataa aggtggatgc gacaatggat
                                                                        383
tttacataat gggggtatna gtt
```

<2: <2:	10> 679 11> 371 12> DNA 13> Homo sapie	en				
aaaatgaaa tggagaagt aaatgagga gtgcagaag tttagaaga	00> 679  aa tattgacaag ta tagaagatag aa attattggta gt tagaaggtaa aa tacttgaagc ct ggtgtaattt ag g	aaaaatataa accaatttat agcttgagaa tagaagggga	agccaaaaat tttaaaagcc gatgagggtg agttggttaa	tggataaaat catcaattta tttacgtaga aaatcacatc	agcactgaaa atttctggtg ccagaaccaa aaaaagctac	60 120 180 240 300 360 371
<2: <2:	10> 680 11> 176 12> DNA 13> Homo sapie	en				
cctaggatt gtttgttat	00> 680 tg tgggggcaat ta attttttatt tt tagttgggtg	tttatgggct	ttggtgaggg	${\tt aggtaagtgg}$	tagtttgtgt	60 120 176
<2: <2:	10> 681 11> 152 12> DNA 13> Homo sapie	en				
ctggagatg	00> 681 gg atatgagact gc acattgatgt ga aaattgaatg	ggggttttga	tgtgtctgat			60 120 152
<2: <2:	10> 682 11> 141 12> DNA 13> Homo sapid	en	÷			
ccagtgcti	00> 682 tg cttgccgtgg gt cagtaacaat tt ggggtggggg	ttttagagaa				60 120 141
<2: <2;	10> 683 11> 308 12> DNA 13> Homo sapid	en				
<40	00> 683					

```
ccagcaatgg tacagagtga gggtgttctg ctaatgactt cagagaagta tttaagaaaa
                                                                         60
acataqaaaa acgtgtgcgg agtttgccag aaatagatgg cttgagcaaa gagacagtgt
                                                                        120
tgagctcatg gatagccaaa tatgatgcca tttacagagg tgaagaggac ttgtgcaaac
                                                                        180
agccaaatag aatggcccta agtgcagtgt ctgaacttat tctgagcaag gaacaactct
                                                                        240
atgaaatgtt tcagcagatt ctgggtatca aaaaactaga acaccagctc ctttataatg
                                                                        300
                                                                        308
catgtcag
      <210> 684
      <211> 277
      <212> DNA
      <213> Homo sapien
      <400> 684
tggtattagg attaggatgt gtgaagtata gtacggatga gaaggttggg gaacagctaa
                                                                         60
ataggttgtt gttgatttgg ttaaaaaata gtagggggat gatgctaata attaggctgt
                                                                        120
gggtggttgt gttgattcaa attatgtgtt ttttggagag tcatgtcagt ggtagtaata
                                                                        180
taattgttgg gacgattagt tttagcattg gagtaggttt aggttatgta cgtagtctag
                                                                        240
gccatatgtg ttggagattg agactagtag ggctagg
                                                                        277
      <210> 685
      <211> 457
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(457)
      \langle 223 \rangle n = A,T,C or G
      <400> 685
                                                                         60.
ctgtggcgtn ccctacttct cccaaacctc gcaactccct cccaggacag tcagtgccaa
agaaacaggt cgctgaaaac taaaatgtcc acatccctaa ctggcaaccc acatcaaccc
                                                                        120
caaaaggttg aagaatcatc taagatattt cagatgctct atgaagaaat tcactttaac
                                                                        180
acttataact gtaagacttt gcatacatta caacagtgca ttagtgatac aagttgtaaa
                                                                        240
atacgtttcc attcctttgg attttgcata tgatggtttt gcatcagtca ctgcaggtag
                                                                        300
                                                                        360
attgagcaag ctttttgtgt ttgttttttt aaacatgcat tcaactagat atgattcaga
atagattaat actocotttt tatoactaca gttagotaaa aaattgocag gcagtocaca
                                                                        420.
aaacagaatt tgctttaaga ccaacccaca gagtcag
                                                                        457
      <210> 686
      <211> 234
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(234)
      <223> n = A, T, C or G
      <400> 686
ntggatttat aaaatagttg caatgacaaa agaagtatgt tttgacagta aaaaaaagac
                                                                         60
```

```
attatggaca aaatatgcaa aatgtgcaaa gaaaaaataa atttgcatta gaaaggtggg
                                                                        120
catttqatct ctgagccctg tgccatgtaa cattgccatg ttctttcact gttgtttgaa
                                                                        180
tqttqtaccc cagcccttga ctctggactt aaggcaagct atgactggct ttgg
                                                                        234
      <210> 687
      <211> 315
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1) ... (315)
      <223> n = A, T, C \text{ or } G
      <400> 687
                                                                         60
nngtctgtga aaaactcttt ggatgattct gccaaaaagg tacttctgga aaaatacaaa
tatgtggaga attttggtct aattgatggt cgcctcacca tctgtacaat ctcctgtttc
                                                                        120
tttgccatag tggctttgat ttgggattat atgcacccct ttccagagtc caaacccgtt
                                                                        180
ttggctttgn gtgtcatatc ctattttgtg atgatgggga ttctgaccat ttatacctca
                                                                        240
tataaggaga agagcatett tetegtggee cacaggaaag ateetacagg aatggateet
                                                                        300
gatgatattt ggcag
      <210> 688
      <211> 522
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(522)
     <223> n = A, T, C \text{ or } G
      <400> 688
ctgaattaga ggaggagaaa agaagccatt nnggagtact ttaattgttt agatgtgaga
                                                                         60
qqctqaatqt ttqggttaag atgttagttg tcagaatcat gagaaaaggt tttaagcaag
                                                                        120
qqqcatttct aattctaaaa ataacaacta ctgttattta ttgagcacta tctttttgtt
                                                                        180
qqqtactqtc taaaqtactt gatttatttt ttaaaacctt acaaaaaact tacaaggtag
                                                                        240
gtactgaaag attcagtaat ttgttcaaag tcacacagca aataagcaac agactctgga
                                                                        300
                                                                        360
tttgaaccag gcaatcctag agcctgtact gttagtaatt atactttagc acctgtcaag
aattcctgtt gagtgtcaag aagcaancac caagttagga tttaaagcaa acatgattga
                                                                        420
agaatactqt ggtgtggttg acagtagtgc ctaagtctgt tttcagagtg aaaaatgaca
                                                                        480
                                                                        522
aattagattt taagtatggt ttggagataa tatcaggaca gt
      <210> 689
      <211> 158
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(158)
```

## <223> n = A, T, C or G<400> 689 tctcaactta ntntnatacc cacacccacc caanaacagg gtttgttagg nattgtttgc 60 attaataaat taaagctcca tagggtcttc tcgtcttgct gtgtcatgcc cgcctcttca 120 cgggcaggtc aatttcactg gttaaaagta agagacag 158 <210> 690 <211> 300 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(300) <223> n = A,T,C or G<400> 690 tagaactcgt atttttaaac ttctattctc tanccttttc cactacatta tgacacaaga 60 ccctgcagaa agtcgtctgg aaaatatcag accatctctt acttgtccca tccaatctta 120 catcgaatta tatgcaccct taaaaagtta tttggagttt taaaaaactc tattagccca 180 aattacctga aataaactcc tggcttgttc ccctaatgtt tataaaaaat tgattgaaaa 240 tattcatttt aaaaatgaag ntcttgaatt tatttaaatt actgtcttgc agtgagttgg 300 <210> 691 <211> 305 <212> DNA <213> Homo sapien <400> 691 60 ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag gagttattgt gcagtgtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg 120 taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat 180 cacaaggctg ccaagtgcct gttttctag aactaggagt tggtgaggtt tggctagtgc 240 300 tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa 305 gacag <210> 692 <211> 582 <212> DNA <213> Homo sapien <400> 692 caggaaatgg ataaccattt taactgtatt ttttgcagcc cgtaccttct tgggaataca 60 attgtctaac tttttatttt tggtctggct gttgtggtgt gcaaaactcc gtacattgct 120 180 attttgccac actgcaacac cttacagatg tggaagatgt gaaatttgtc atcaattatg actaccctaa ctcctcagag gattatattc atcgaattgg aagaactgct cgcagtacca 240 300 aaacaggcac agcatacact ttctttacac ctaataacat aaagcaggtg agcgacctta tctctgtgct tcgtgaagct aatcaagcaa ttaatcccaa gttgcttcag ttggtcgaag 360 420 acagaggtgc aggtaaggat gactgatagg aaatgttggt agttacgagt cacatcgttg

tctacaaatc catttaaatg gtattggagg gtgagtaaaa ccttgaatgt gaaaacttaa

480

gctgaaaaat tgtaaaaaca tttcacgcct accatgaata gatctgtttc tttctgtcca caatgatttg tgtcatagac ataattgatc aatttgcaat tg	540 582
<210> 693 <211> 275 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 693 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt agggatggga gggcgatgag gactaggatg atggcgggca ggatagttca gacggtttct atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg ataagctctt ctatgatagg ggaagtagcg tcttg</pre>	60 120 180 240 275
<211> 397 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(397) <223> n = A,T,C or G	
<pre></pre>	60 120 180 240 300 360 397
<210> 695 <211> 609 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(609) <223> n = A,T,C or G	
<pre>&lt;400&gt; 695  ctgagcttcc atttgtcagc tagcactgng gtagtcaacc atgcgaatga ggctattttg gacctcatga ttgtccagtg cctgggctga taccgnggga aacgaaattt tgtggctgcc cacaaaatca tggaaaataa tgatttttta gaaaacctcc actgntttgt tgtgcagcaa taaataactg aaacaccaat ccaaaaaact tataaagcta taacaattaa aacagnataa taatagtncc gggatacaaa aatggtcaaa ttgaagagga tacaaagcct caaagcagtc ctcactcata ananccttgt tgtatcacta aaanggcatt aaaattgaga anaaggaana</pre>	60 120 180 240 300 360

gcttcacatt atgaaaaaat acaaacaaca gattgattaa agacttaaat gngatcaaca aaatgttaaa actgtgataa gaacatttaa gaaaatagtt ctatnaccct gggataaaac attttcntcc aaggcattaa agtgttaaat gaaaagactg atncatttat tcattagaat	420 480 540 600 609
<210> 696 <211> 300 <212> DNA <213> Homo sapien	
cagtatgtct atattcttgc tgtactcatt ggtagtttca gtatatgtaa tgtgagttta	60 120 180 240
taaacacggg aattgatttt attctggttg tctataatac ttcattttaa atgtaaatgg	300
<210> 697 <211> 391 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(391) <223> n = A,T,C or G	
ctcttcaatc tcttgcactc aaagcttgtt aagatagtta agcgtgcata agttaacttc caatttacat actctgctta gaatttgggg gaaaatttag aaatataatt gacaggatta ttggaaattt gttataatga atgaaacatt ttgtcatata agattcatat ttacttctta tacatttgat aaagnaaggc atggttgtgg ttaatctggt ttatttttgn tccacaagtt	60 120 180 240 300 360 391
<210> 698 <211> 536 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1) (536) <223> n = A,T,C or G	
cadeggaada gadaaadaa congressia isaa garaa garaa agaraa	60 120 180

gggtatcttt gagagcagaa ctcaaggaag caagcaattt gccttatgag gaaagagtta	240 300
cctgtggata aaggagaaac tgaaaaattt acaagtcaag actttttgag caaagacaaa	360
aatatgacta tgagtcacca attcagtaca gtgaaaaaaa agttgaagag atatcttgga agtaaaccat gttgtggaag agcagggttt tgataatcat gggattattc tgaatgaatt	420
ttaaatgcga taggaatata tgagataatt tcaccagaga ataatatgat catgtttgca	480
tttcaaaggg gtgtatctgg tgcactgngt agaataaata ggntatgtga gcaagt	536
tittaaaggg gigtatetgg tgedetgngt agaataaaa ggntatgtga gedagt	330
<210> 699	
<211> 419	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1) (419)	
<223> n = A,T,C or G	
<400> 699	
ngtccacctg agggcaggtg acaaggacct gacagagccc atgcagggct ttagatttgg	60
acacacaaga gttgataact teeteatgaa eteettgeet gatetaaact catattatgg	120
gttctgactg tttgagtaat catcttcaag gttaaacctc ttggcagtta cccttttcac	180
aaagtgcaca gtgggaatcg agaatcgata gggttaattt tggagcagtg gcttatacca	240 .
ttcacctctg ttttttgtg attatttcac agataatgag accttaataa caaataggcg	300
taaaaaaatt ttcacattga aatgatagaa acatttgatg taataaaact tggttggctt	360
gatattttaa ggaattgaaa cctagcaatc ttattggaga gacaagaatt ggtctccag	419
210 700	
<210> 700 <211> 336	
<211> 336 <212> DNA	
<213> Homo sapien	
(213) Homo Bapton	
<400> 700	
ccacttattg tccttaaaaa tccatactga tacatggaca gtaagtgtgt tttcagatgg	60
agtaccagca ccgaaaatgg gttgagggag gatgggttgt atgtatgttt ctgcccacta	120
attttgagca gccatattat gaattaaatc gtcacagcca agtaataacc caagaatggt	180
atgagtttca tgtgtaatag ctcaaatgga ataagcatga atgctggagt ggaccattat	240
cctcaaatat tctatgtcac ttctcattta aagactcttg ttatgaacta ttagaaactt	300
taggcaaaat caaaagtatt tgcggcaaaa taaagg	336
<210> 701	
<211> 418	
<212> DNA	
<213> Homo sapien	
•	
<400> 701	
ccatgtgatg atgttgacaa cccctgaaga gcctcagtcc attgttccac gtttaagaac	60
taggaatacc aggactgatg caattctact gggtcactat cgcttgtcac aagacacaga	120
caatcagacc aaagtatttg ctgtaataac taagaaaaaaa gaagaaaaac cacttgacta	180
taaatacaga tattttcgtc gtgtccctgt acaagaagca gatcagagtt ttcatgtggg	240
gctacagcta tgttccagtg gtcaccagag gttcaacaaa ctcatctgga tacatcattc	300 360
ttgtcacatt acttacaaat caactggtga gactgcagtc agtgcttttg agattgacaa	360

gatgtacacc cccttgttct tcgccagagt aaggagctac acagctttct cagaaagg	418
<210> 702 <211> 261 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(261) <223> n = A,T,C or G	
<pre>&lt;400&gt; 702 gggcctgttg tgggggtggg ggaagcaggg aggggaacag ctaaataggt tgctgttgat ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat tcaaattatg tgttttttgg agagtcatgt cagtggtaga aatataattg ttgggacnat tagntttagc attggagtag gtttaggtta tgtacgtagt ctaggccata tgtgttggan attgagacta gtagggctag g</pre>	60 120 180 240 261
<210> 703 <211> 261 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(261) <223> n = A,T,C or G	
<pre>&lt;400&gt; 703 gggcctgttg tgggggtggg ggaagcaggg aggggaacan ctaaataggt tgctgttgat ttggttaaaa aatagtaggg ggatgatgct aataattagg ctgngggtgg ttgtgttgat tcaaattatg tgttttttgg agagtcatgt cagtggtagt aatataattg ttgggacnat tagntttagc attggagtag gtttaggtta tgtacgtagn ctaggccata tgtgttggag attganacta gtagggctag g</pre>	60 120 180 240 261
<210> 704 <211> 381 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(381) <223> n = A,T,C or G	
<pre>&lt;400&gt; 704 ngtntgaatt ctattaaaga tacaaagagg agctggtacc atttcttctg aaactattac aaacaactga aaaggtggaa tttctcccta attcattta ggaggccagc attatactga taccaaaacc tggcagaggt acaataataa aaggaaactt caagtcagta tcactgatga acaccaatgt gaaaatcctc aataaaatac tggcaaactg aattcagcag cacatcaaaa</pre>	60 120 180 240

agctaatcca ccacaatcaa gtcagcttca tccctgcgat gcaagtctgg ttcaacatat gcaaatcaat aaatacaatt catcagataa acagagctaa agacaaaatt cacatgattt tctcaataga tgcagaaaag g	300 360 381
<210> 705 <211> 477 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 705  ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac ctttgcacgg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg taataatgac ttgttggtga ttgtagatat tgggctgtta attgtcagtt cagtgttta atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggtggctgc ttttagg</pre>	60 120 180 240 300 360 420 477
<210> 706 <211> 266 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(266) <223> n = A,T,C or G	
<pre>&lt;400&gt; 706  ccatggctag gtttatagat agttgggtgg ttggtgtaaa tgagtgag</pre>	60 120 180 240 266
<210> 707 <211> 358 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(358) <223> n = A,T,C or G	
<pre>&lt;400&gt; 707  ccatcagaga aatgcaaatc aaaaccacaa tgagatacca tctcacacca gttagaatgg caatcattaa aaagtcagga aacaacaggt gctggagagg atgtggagaa ataggaacac ttttacaccg ntggtgggac tgtaaactag ttcaaccatt gtggaagtca gtgtggcgat tcctcaagga tctagaacta gaaataccat ttgacccagc cggccaatat tcaacattct</pre>	60 120 180 240

```
taaaqqaaaq aattttcaac ccagaatttc atatccagcc aaactaagct tcgttagtga
                                                                       300
aggagaaata aaatacttta cagacaagca aatactgaga gattttgtca ccaccagg
                                                                       358
      <210> 708
      <211> 491
      <212> DNA
      <213> Homo sapien
     <220>
      <221> misc_feature
      <222> (1)...(491)
      <223> n = A, T, C or G
      <400> 708
cctactatgg gngttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                        60
                                                                       120
gctgttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgtgggca
aatttaaaqt tqaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                       180
ttqtcqcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
                                                                       240
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag
                                                                       300
                                                                    360
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
                                                                       420 .
tggttataat ttttcatctt tcccttgegg tactatatct attgcgccag gtttcaattt
                                                                       480
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtaagggng
                                                                       491
gagtgggttt g
     <210> 709
      <211> 460
     <212> DNA
      <213> Homo sapien
     <220>
     <221> misc feature
     <222> (1)...(460)
     <223> n = A,T,C or G
    <400> 709
nggttttttt tgtagagcaa ataatttatg caaaatatgt tacaaaatct gggatgctaa
                                                                        60
atagttgaca caagtactgt gtttgacatt tagtttcatt tgaattagta atagaatttg
                                                                       120
ctccttccaa catttacatc ttttttcttt ctgactttat atattttcaa taaaaatttg
                                                                       180
ctccacagtt tttaagntca ttcttcttga atccgntttt acatttgctg ngacaaacct
                                                                       240
gcataaaact agattttata gatataactt ctttggaaga gataaaaatt caaaagtttg
                                                                       300
                                                                       360
acattqcttt canttattct tttcttcatt gttttgattg gcccctgtta gattgatgta
ttgccaatct acttttgatg gcatgaatnt aaaatgacaa cataaaaagc ncttctagtg
                                                                       420
caacagtaat tgaaacttgc agttttccat taaaaaaaaa
                                                                       460
      <210> 710
      <211> 542
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
```

<222> (1)...(542)

<223> n = A,T,C or G<400> 710 60 ctgttacagt gacaagagat aaaaagatag acctgcagaa aaaacaaact caaagaaatg tqttcaqatq taatgtaatt ggagtgaaaa actgtgggaa aagtggagtt cttcaggctc 120 180 ttcttqqaaq aaacttaatg aggcagaaga aaattcgtga agatcataga tcctactatg cgattaacac tgtttatgta tatggacaag agaaatactt gttgttgcat gatatctcag 240 aatcggaatt tctaactgaa gctgaaatca tttgngatgt tgtatgcctg gtatataatg 300 360 tragraatre caaateettt gaataetgtg craggatttt taagraacae tttatggaca gcagaatacc ttgcttaatc gtagctgcaa agtcagacct gcatgaagtt aaacaagaat 420 acaqtatttc acctactgat ttctgcagga aacacaaaat gcctccacca caagccttca 480 cttgcaatac tgctgatgcc cccagtnagg atatctttgt taaattgaca acaatggacc 540 542 <210> 711 <211> 394 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(394) <223> n = A, T, C or G<400> 711 caaacccact ccaccttact accagacaac cttagccaaa ccatttaccc aaataaagta 60 taggcgatag aaattgaaac ctggcgcaat agatatagta ccgcaaggga aagatgaaaa 120 attataacca agcataatat agcaaggact aacccctata ccttctgcat aatgaattaa 180 240 ctanaaataa ctttqcaaqq aqaqccaaag ctaagacccc cgaaaccaga cgagctacct 300 aagaacagct aaaagagcac acccgtctat gtagcaaaat agtgggaaga tttataggna gaggcgacaa acctaccgag cctggtgata gctggttgtc caagatagaa tcttagttca 360 . actttaaatt tgcccacaga accctctaaa tccc 394 <210> 712 <211> 552 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(552) <223> n = A, T, C or G<400> 712 gaggtctgta naatgccagg ctcaaatttg tctttataat ttaataccag aaatctttcc 60 cttgtgatgt ttctttcttt ctggattgcc tctatagcag gggatagcgg gggaggataa 120 180 ggcacatctt tgntgtactg agaaatttga ccacgcagga tgatgtggct gttctcattc atctgcacag agaaaaataa tgataaaata tccctttcct atgtttactg attttatggc 240 tgccataatg gaagcctcct tgactattta atcctttctg tcaactaggt tcgattttt 300 ttttaattta cctgttagag gtatttaana attttaacta gctanaaata attacattcc 360

aaaggaacac caaggcaaat aaatggttgg taatcagcaa aagaattaca ttagttgttg ntgctactta ttagggggag aactgtttt ttttaaattt aaacaattta ataatctcaa ctgcaaataa ttttagatgc agcaaaggac tatgtagncg ttaatacctc atgttgatat tttcataata tt	420 480 540 552
<210> 713 <211> 518 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(518) <223> n = A,T,C or G	
<400> 713 ccaaaaactg gaagcagete actaaacaaa cagtggcata cecatagaac tgcataette teagcagtat gaaagaatga getaettata taagcateat tgataaacet caaaaaaaa atgccacatg aanaaaceca aagggganaa acataaaaac tttatatgte agtcatataa aattetanaa aatgcaaact aatecatent aaaggaaagt aaatcaacag ttgtetggag gaccananag agcaggagga ganagattat taaaggggtt aaagtaaatt tgggagtgee etteenttt taaatnetat gaaaatgaaa gtaaaaggene atgcatgttg taaactaata gtaacaaaca naatgggttg gagtgggtg ttgtetgggg acateattac aaaatgtaag ecagtttatn taaattttga aaagacegtg gactetgate tgactgatna atgttggaag agataagtgt getgcaaatg ggggaattaa taaaacag	60 120 180 240 300 360 420 480
<210> 714 <211> 281 <212> DNA <213> Homo sapien	
<400> 714 ccaattgatt tgatggtaag ggagggatcg ttgacctcgt ctgttatgta aaggatgcgt agggatggga gggcgatgag gactaggatg atggcggca ggatagttca gacggtttct atttcctgag cgtctgagat gttagtatta gttagttttg ttgtgagtgt taggaaaagg gcatacagga ctaggaagca gataaggaaa atgactatga gggcgtgatc atgaaaggtg ataagctctt ctatgatagg ggaagtagcg tcttgtagac c	60 120 180 240 281
<210> 715 <211> 443 <212> DNA <213> Homo sapien	
<400> 715 cttgaaatca gcaacacact tacaaatgag aaaatgaaaa tagaagagta tataaagaaa gggaaagagg attatgaaga gagtcatcag agagctgtgg ctgcagaggt atccgtactt gaaaactgga aggagagtga agtgtataag ctacaagatca tggagtcaca agcagaagcc tttctgaaga agctggggct gattagccgt gatcctgcag catatcccga catggagtct gatatacgtt catgggaatt gtttcttct aatgttacaa aagaaattga gaaagcaaag tctcagtttg aagaacaaat taaggcaatt aaaaatggtt cccggctcag tgaactttct aaagtgcaga tttctgagct ttcatttcct gcctgtaaca cggttcatcc cgagttactc	60 120 180 240 300 360 420

cctgagtctt caggccacga tgg	443
.010. 716	
<210> 716 <211> 639	
<211> 639 <212> DNA	
<213> Homo sapien	
(213) NOMO Sapiem	
<220>	
<221> misc_feature	
<222> (1)(639)	
<223> n = A,T,C  or  G	
<400> 716	
ccaaanaaaa tgaagtacag agtctgcata gtaagcttac agataccttg gtatcaaaac	60
aacagttgga gcaaagacta atgcagttaa tggaatcaga gcagaaaagg gtgaacaaag	120
aagagtotot acaaatgcag gttcaggata ttttggagca gaatgaggot ttgaaagoto	180
aaattcagca gttccattcc cagatagcag cccagacctc cgcttcagtt ctagcagaag	240
aattacataa agtgattgca gaaaaggata agcagataaa acagactgaa gattctttag	300
caagtgaacg tgatcgttta acaagtaaag aagaggaact taaggatata cagaatatga	360
atttettatt aaaagetgaa gtgeagaaat taeaggeeet ggeaaatgag eaggetgetg	420
ctgcacatga attggagaag atgcaacaaa gtgtttatgt taaagatgat aaaataagat	480
tgctggaaga gcaactacaa catgaaattt caaacnaaat ggaagaattt angattctaa	540 .
atgaccaaaa canagcatta aaatcagaag ttcagaagct gcagactctt gtttctgcac	600 ·
angcctaata aggatgntgn ggaacaaatg gaaaaattg	639
<210> 717	
<211> 473 <212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(473)	
<223> n = A,T,C or G	
<400> 717	
nntgaggcta ctgctgtttt attacaacat tacctcttgt ttttataaag tgtaccaaga	60
tttaaattga taactttatt ttacttgaaa aaaaaaagtt tnttttatca ccagtgttac	120
agttgtcttc tgtttctttt tgttttgntt tatttgnttt cctttttagc caaagagtga	180
acagaanatt ttcttatttt ggtggctatt cattttactt ttaaaaagtga ttggtggatt	240
ttagactaat tatgggggaa tttgccacca aaataaaaaa tatgtaaagn gtagtgatta	300
cagagtggtt aaaatgtggg ttagtactta tttattccat taattgatta tttgactgtt	360
tataaagaaa gttgctttat ttctttaaac atcttcaaaa gatgatcctt tcttgtcaca	420
ttatagccaa aagaagcaga gaacttcact gtctgcattt ggttcctggt tgg	473
<210> 718	
<211> 207	
<212> DNA	
<213> Homo sapien	
<400> 718	

```
ggtaaatgct agtataatat ttaccatctc acttctagga atactagtat atcgctcaca
                                                                          60
                                                                         120
cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagctac
tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatactagt
                                                                         180
                                                                         207
ctttgccgcc tgcgaagcag cggtagg
      <210> 719
      <211> 255
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(255)
      <223> n = A,T,C \text{ or } G
      <400> 719
                                                                          60
cctatattac ggatcatttc tctactcaga aacctgaaac atcggcatta tcctcctgct
                                                                         120
tgcaactata gcaacagcct tcataggcta tgtcctcccg tgaggccaaa tatcattctg
                                                                         180
aggggccaca gtaattacaa acttactatc cgccatccca tacattggga cagacctagt.
tcaatgaatc tgaggaggct actcagtaga cagncccacc ctcacacgat tctttacctt
                                                                         240
                                                                         255
tcacttcatc ttgcc
      <210> 720
      <211> 455
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(455)
      \langle 223 \rangle n = A,T,C or G
      <400> 720
ccaatgtcga aacctacaag atttccttaa aatctctaat agaggcatta cttgctttca
                                                                          60
attgacaaat gatgccctct gactagtaga tttctatgat ccttttttgt cattttatga
                                                                         120
                                                                         180
atatcattga ttttataatt ggtgctattt gaanaaaaaa atgtacattt attcatagat
agataagtat caggtctgac cccagtggaa aacaaagcca aacaaaactg aaccacaaaa
                                                                         240
aaaaaggctg gtgttcacca aaaccaaact tgttcattta gataatttga aaaagctcca
                                                                         300
tagaaaaggc gtgcagtact aagggaacaa tccatgtgat taatgnttnc attatgttca
                                                                         360
tgtaanaagc cccttatttt tagccataat tttgcatact gaaaatccaa taatcagaaa
                                                                         420
                                                                         455
agtaattttg ccacattatt tatnaaaaat gttcc
      <210> 721
      <211> 530
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(530)
      <223> n = A, T, C or G
```

<211> 292

```
<400> 721
                                                                        60
ccagtgcttg ctgccgtggt ttagtgattg ggtgttagaa ataaaaactc aggtctattt
cttaccagtc agtaacaatt tttagagaat gtacttggta tataatatat ggacttcagg
                                                                        120
aactttattg gggngggggg ttaattttgc cttaccctgt tcactttcag atgattaggc
                                                                        180
ttttgcactt tagaatgaga aacttgtgac gttagtgtgt tcttactagc tttaatttgt
                                                                        240
atgtagcaat gaattgtgaa tettagtgea gtgggttttt ttaaaaaaact caaaaagetg
                                                                        300
                                                                        360
ggaattaagt ggtttcagta ataatgctat accgaggtgc ttgcattgta tttcataatt
                                                                        420
ttgttacaaa ccaaaattat ttttaatgan aacggtcttg ggttcagagg tgtgatgcca
                                                                        480
gaatgtattt tcgtactgtt aggcccttgg aacagatacc ggtgctttct tgaaagatga
aagaaatgca atgggtgctc ttcatgcaag gttgcaaacc taccaagaat
                                                                        530
      <210> 722
      <211> 242
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(242)
     <223> n = A,T,C or G
      <400> 722
                                                                        60 -.
ccaagggtca tgatggcagg agtaatcana ggtgntcttg tgttgtgata agggnggaga
ggttaaagga gccacttatt agtaatgttg atagtagaat gatggctagg gtgacttcat
                                                                       120
                                                                       180
atgagattgt ttgggctact gctcgcagtg cgccgatcag ggcgtagttt gagtttgatg
ctcatcctga tnagaggatt gagtaaacgg ctaggctaga ggtggctaga ataaatagga
                                                                       240
                                                                        242
      <210> 723
     <211> 472
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(472)
      \langle 223 \rangle n = A,T,C or G
      <400> 723
                                                                        60
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
gccgttcctc tttggactaa cagttaaatt tacaagggga ttttagagggt tctgtgggca
                                                                        120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                        180
                                                                       240
ttgtcgcctc nacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag
                                                                       300
                                                                       360
ttatttctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatgct
tggttataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt
                                                                       420
                                                                        472
ctatcgccta tactttattt gggtaaatgg tttggctaan gttgtctggt ag
      <210> 724
```

```
<212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(292)
      <223> n = A, T, C or G
      <400> 724
                                                                        60
nccaccactg cagccctaca tacagntgaa aaaaaattcc attctgttaa catttgtttt
ataaqttttc acncaataca caaaaaaccc ctctgcactt cttgtaaaga acaaaaaaga
                                                                        120
tacacaacag ttaagcgtaa agatcacagg caatagcatt caaacatgga tgtgggnaga
                                                                        180
gaaaggagta cctggcatga gtacctgctt agttngactg aatccttgat ttttaatttg
                                                                       240
gcttttcatg ggccgntcac aacaccaacg ctgngngagg tatggtagtc ag
                                                                       292
      <210> 725
      <211> 122
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(122)
      <223> n = A,T,C or G
      <400> 725
atagaaaggg catacccaaa atgttactga aaatntaata caaattccaa gattcaccaa
                                                                        60
ngàagtaaca aaaacctggc ctgcangngg ncccctatcc cgtggctcca tggntgatgt ·
                                                                       120
                                                                       122
gg
      <210> 726
      <211> 477
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(477)
      <223> n = A, T, C or G
      <400> 726
ctgaaccctc gtggagccat tcatacaggt ccctaattaa ggaacaagtg attatgctac
                                                                        60
ctttgcacgg ttagggtacc gcggccgtta aacatgtgtc actgggcagg cggtgcctct
                                                                       120
aatactggtg atgctagagg tgatgttttt ggtaaacagg cggggtaaga tttgccgagt
                                                                       180
tccttttact ttttttaacc tttccttatg agcatgcctg tgttgggttg acagtgaggg
                                                                       240
                                                                       300
taataatgac ttgttggtga ttgtanatat tgggctgtta attgtcagtt cagtgtttta
atctgacgca ggcttatgcg gaggagaatg ttttcatgtt acttatacta acattagttc
                                                                       360
                                                                       420
ttctataggg tgatagattg gtccaattgg gtgtgaggag ttcagttata tgtttgggat
tttttaggta gtgggtgttg agcttgaacg ctttcttaat tggcggctgc ttttagg
                                                                       477
```

<211> 416

```
<212> DNA
      <213> Homo sapien
      <400> 727
cctgtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca
                                                                        60
ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggtacttt caacacttaa
                                                                        120
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attctttct
                                                                        180
gtggatgcaa taatatagaa tottattoca aatottactg gcaggttoto ttaaattott
                                                                        240
caacggctgc catagtgatt aaccaaaatt agttatgatt tctgcctatc tgtgtgagaa
                                                                        300
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa
                                                                        360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata gtctgg
                                                                        416
      <210> 728
      <211> 416
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(416)
      <223> n = A, T, C \text{ or } G
      <400> 728
cctqtctttg aatggatgaa ataggttaat aaaaaacatc actgtttaaa aactagaaca
                                                                        60
ctgaaaaatt ctaggaaagc ttattttccc ttatattttt atggtacttt caacacttaa
                                                                       120 -
taacactatt tcaattaagt tttctcctag agtttatagt atatcagtac attcttttct
                                                                       180
gtggatgcaa taatatagaa tottattoca aatottactg gcaggttoto ttaaattott
                                                                       240
caacqqctqc cataqtqatt aaccaaaatt aqttatqatt tctqcctatc tqtqtqaqaa
                                                                       3 0.0
cttacagggg aaattgttct aaacctgagg aacatgaagt aactgtactg cacactccaa
                                                                       360
atgatgacag tcattttata tcaccttcaa ttacccaaca gcttttaata ntctgg
                                                                       416
      <210> 729
      <211> 564
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(564)
      <223> n = A,T,C or G
      <400> 729
ctgtgagtag aggagtcttc ccgagagtag cagttgttga tccaaatgat tgaagccttc
                                                                        60
aggtaaggga ataactgctg caggaattct ttcttgaaga atttaagctg tttggtaaga
                                                                       120
attctqtaac tacatacctt tqaaacacta ttcacattca aataaacqct tqttttctaq
                                                                       180
ccaggcacag gctcaattag tttttcaaac tctagccaag gcagtatttc atttgggaaa
                                                                       240
tcatgcaaca gaactgctca attcttaact tctcctgctg ttaacattta cacttagact
                                                                       300
gccagcaaca gttaacttaa attttggtct caagggaaca aaaaaaaatt gcattcagaa
                                                                       360
tttaatatag tattttaaaa ctaattttag cctgtaagnc attatgagca atagtaactt
                                                                       420
ttatacctcc tcatcttgnc tgataatata ttctatatgc tgncaatctg attatatagt
                                                                       480
```

ctatatgcta gaagttgctg attttcattc tgccaccaaa aaaaactgtc ctttttttt tatgggggaa aaagggaatt taaa	540 564
<210> 730	
<211> 310	
<212> DNA	
<213> Homo sapien	
<400> 730	
ccatttttat ttcttcttca gagaagtgtt tatttaggtc tgttgcccat tttacaatta	60
ggccatatgt tttcttgctg ttgagttgta tgtgtgtttg tataaatttt gcatattaac	120
cccttatcac acgtatgttt tttaaaataa attttgctta ttaatctttt atcagatgta	180
tggtttccaa atatattctt ccgatccatg gattctcttt tttgttatga ttgtttcttt	240
gctcttcgga agctttttgt tttgttttgt tatttgtttt actttgatat agtcccattt	300
attgtttttg	310
<210> 731	
<211> 467	
<211> 407 <212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature	
<222> (1)(467) <223> n = A,T,C or G	
<2235 II = A,1,C OI G	
<400> 731	
ngacaacctt agccaaacca tttacccaaa taaagtatag gcgatagaaa ttgaaacctg	60
gcgcaataga tatagtaccg caagggaaag atgaaaaatt ataaccaagc ataataaagc	120
aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga	180
gccaaagcta agacccccga aaccagacga gctacctaag aacagctaaa agagcacacc	. 240 .
cgtctatgta gcaaaatagn gggaagattt ataggnagag gcgacaaacc taccgagcct	300
ggtgatagct ggttgtccaa gatagaatct tagntcaact ttaaatttgc ccacagaacc	360 .
ctctaaatcc ccttgtaaat ttaactgnta gnccaaagag gaacagntct ttggacacta ggaaaaaacc ttgtagagag agtaaaaaat ttaacaccca tagtagg	· 420 467
ggadadadee eegeagagag ageadadade eedacaceea eageagg	407
<210> 732	
<211> 492	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc feature	
<222> (1)(492)	
$\langle 223 \rangle$ n = A,T,C or G	
<400> 732	
cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga	60
gctgttcctc tttggactaa cagctaaatt tacaagggga tttagagggt tctgtgggca aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt	120 180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt	240
ergregere raceratada refreedate arrengerae aragaeggge grigeretet	240

```
300
agctgttctt aggtagctcg tctggnttcg ggggtcttag ctttggctct ccttgcaaag
ttatttctag ttaattcatt atgcagaagg tataggggtt agnccttgct atattatgct
                                                                       360
tggntataat ttttcatctt tcccttgcgg tactatatct attgcgccag gtttcaattt
                                                                       420
ctatcgccta tactttattt gggtaaatgg tttggctaag gttgtctggt agtgaggcgg
                                                                       480
                                                                       492
agngggtttg gg
      <210> 733
      <211> 562
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(562)
      <223> n = A,T,C \text{ or } G
      <400> 733
ntgaaatggc aatagcattc actgtcgtat tttgcagtgc tcaggaagtg ggacgttaac
                                                                        60
tttgaaggtg cttgtttgta ttagctctgc taggtttacc tctacaacgt agatttcagc
                                                                       120
agctatgctg actgacacta cattctagtt cttaagattt tttttccana tccccccttc
                                                                       180
cccagctaga catacgtagc atactttcat cttattcagt ctttctgtaa cctgctgctg
                                                                     240
cttttagtcc tcctcacctc agatcggaat caatggagtg ggcccagagg atacatttta
                                                                       300 %
attccagtaa tggtaggtag atttgtcctg ctttctaaaa catctcctca tttcatattt
                                                                       360 am
ccactccata ttgattccat aagggaaaat taatgggtgn ttcctccttt agggaggcaa
                                                                      420
tgcaaagagn gtggacatct tctaatcttg aggaacagtn gttgatttcc cttgaaggag
                                                                       480 : 3
cttacatatt gactgtnttt cacaataacc tgnttgcccc agntcaatcc ctcattttaa
                                                                       540 ....
                                                                       562
tacttaatgt tggtnctggg ct
      <210> 734
      <211> 265
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(265)
      <223> n = A, T, C or G
      <400> 734
nggtccagaa caagagaaat aactgcagaa aacacatatg gttggaaacc atgcgcttgt
                                                                        60
gactttttct gtagcctatg ggagtggaca gagtgggtaa cccaagatgt ttttaagact
                                                                       120
gactggacta agaatggcgt acttatagcc aactacttcc cccctaatgt gactgaaggg
                                                                       180
                                                                       240
attcataatg atcacaatta gcattacggt taagtatttt agggttgacg tctaagctca
                                                                       265
cacttgaaag gtatttatct aatgg
      <210> 735
      <211> 216
      <212> DNA
      <213> Homo sapien
      <400> 735
```

atttaatacg tgctcactgc tcggcacgcg ctgaagctac agttaacaat cagtgagcac atattaaatg ataaaataat gctgatggta aacattcata acagcagagt aagattttgg cagttttgtg tctcggtaac ataactgtaa ccttagatga acacctatcc cttcatgatc tgactttaga ggcaaggagt ttgtaacatc taatgg	60 120 180 216
<210> 736 <211> 285 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(285) <223> n = A,T,C or G	
<400> 736	
ctgaaaggca acntggagac tagttagtct agtcccctca tattataaat tggtatgctg aggccaggca gtaaattgct atggagctct ccaatttaag gccagtttga ctccaaagggt agggcttcta gtaaaatttt gtgattaaat tggaaactct aatttattt tctatgngtt tttggtacct aatcctcata agcaagccat attcaaggc tgatcaatga aaacaccaaa taccaaagct tcctttccct tccaaattta ctgacccttt gtcag	60 120 180 240 285
<210> 737 <211> 509 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(509) <223> n = A,T,C or G	
<400> 737	
agangaagaa gangaagatt aagggaaaag tacatcggtc aagaagagct caacaaaaca aagcccatct ggaccagaaa tcccgacgat attactaatg aggagtacgg agaattctat aagagcttga ccaatgactg ggaagatcac ttggcagtga agcatttttc agttgaagga cagttggaat tcagagccct tctatttgtc ccacgacgtg ctccttttga tctgtttgaa aacagaaaga aaaagaacaa catcaaattg tatgtacgca gagttttcat catggataac tgngaggagc taatccctga atatctgaac ttcattagag gggtggnaga ctcggaggat ctcctctaa acatatcccg tgagatgttg caacaaagca aaattttgaa agttatcang aagaatttgg gtcaaaaaat gcttanaact ctttactgaa ctggcggaag atnaagagaa ctncaagana ttctatgagc agntctctt	60 120 180 240 300 360 420 480 509
<210> 738 <211> 97 <212> DNA <213> Homo sapien	
<400> 738 cagtgaattg aatacgactc ctatagggcg aattgggccc tctagatgca tgctcgagcg gccgccagtg tgatggatat ctgcagaatt cgccctt	60 97

<212> DNA

```
<210> 739
      <211> 209
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(209)
      <223> n = A,T,C \text{ or } G
      <400> 739
ccgncagtgt gatggatatc tgcagaattc gcccttagcg gcccgcccgg gcagggtcct
                                                                         60
tatatatagt agcttagttt gaaaaaatgt gaaggacttt cgtaacggaa gtaattcaag
                                                                        120
atcaagagta attaccaact taatgttttt gcattggact ttgagttaag attatttttt
                                                                        180
aaatcctgag gactagcatt aattgacgg
                                                                        209
      <210> 740
      <211> 164
      <212> DNA
      <213> Homo sapien
      <400> 740
ccaagctaat gggtgacact gtgaatgcaa ctctaatgca gcctggcgta aatggtccta
                                                                         60 ~
tgggcactaa ctttcaagtt aacacaaaca gaggaggtgg tgtgtgggaa tctggtgcag
                                                                        120
caaactccca gagtacatca tggggaagtg gaaatggcgc aaat
                                                                        164 L
      <210> 741
      <211> 514
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(514)
      <223> n = A,T,C or G
      <400> 741
ccagtcagaa ttgagatgtg ctgtgagtgc aaaatacact caaatctaag acttagtatg
                                                                         60
gaaqaaaaag aagataaggt gnttcattaa taatctttta tattgattac atgttgaaat
                                                                        120
gatattttta atatactggg ttacataaac tgttattaag attaattttg cttgtttctt
                                                                       180
ttttaatatg gctactagaa aattaaaaat tatgttgtgg ttcacattat atttctgttg
                                                                        240
aacaatgtgg acatagataa tctacagtca ttacattagc cttagaattt agcatcatac
                                                                        300
ttttaagcac tctggggtac taacttgaac tcccagaaac ccataagcac actctgcata
                                                                        360
taaattattg caaaattcat tcttatctct ctgaaagata tgcattttaa gggtaaaaag
                                                                        420
aattcacaaa atattgantc cttaacaaat gtcaattagt atatggagag agctaaagga
                                                                        480
cttcntgtag actggtncat tggggaaaaa caga
                                                                        514
      <210> 742
      <211> 439
```

```
<213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(439)
      <223> n = A, T, C \text{ or } G
      <400> 742
gcaggtccta tgcatagtta ataagggnta taatctactc aacatggaaa atgggagcct
                                                                         60
atttgcaaac acacgagtaa ttaaagtacc aattctctct tagtttcttt ttttatagtt
                                                                        120
ggnttatttt gcaattataa atgntaaaca tccctagaga tgaaagttaa aatggctgat
                                                                        180
cacagatcag tagcaaaata caaattgaca attcaaaatt ataaataaaa ctctgttgag
                                                                        240
gatgtttaac tttgagcctc caaatttaag agctaagctt ggaagaaaca aatttatagg
                                                                        300
ttatatttcc ctcttaaatt aaaaaacaaa cttcctctgg cagtagnttg tgaattcctt
                                                                        360
tcattgnaat gataccatga ttacaggatc aaaaatgctt aacttacttg ccattctgct
                                                                        420
cacatcatca cagttgttt
                                                                        439
      <210> 743
      <211> 275
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(275)
      <223> n = A, T, C or G
      <400> 743
cangacgcta cttcccctat catagaagag cttatcacct ttcatgatca cgccctcata
                                                                         60 -
gtcattttcc ttatctgctc cctagtcctg tatgcccttt tcctaacact cacaacaaaa
                                                                        120
ctaactaata ctaacatctc agacgctcag gaaatagaaa ccgtctgaac tatcctgccc
                                                                        180
gccatcatcc tagtcctcat cgccctccca tccctacgca tcctttacat aacagacgag
                                                                        240
gtcaacgatc cctcccttac catcaaatca attgg
                                                                        275
      <210> 744
      <211> 295
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(295)
      <223> n = A, T, C \text{ or } G
      <400> 744
ctqtnctttt aaaaaatctq qatqtttttt atttaqtqat tqttcqacaa ttaqctqctt
                                                                         60
caaaacataa tgtgcattgc ttatgaatgc cttcatatac taatacagat actctgataa
                                                                        120
tattacactc taataaggat aatgctgaat tttgaaagga cacaaaacat ctaatgccaa
                                                                        180
tatatacatg attagccaac atctttgcta tcaagaccac tcgtttttaa ataaagatgc
                                                                        240
aagtgtcagt tgtagattat tgggatgaag ctaaatcccc agaatgcagc agcag
                                                                        295
```

```
<210> 745
      <211> 477
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(477)
      <223> n = A,T,C or G
      <400> 745
cgcgttactg tacatattgc tagcaggaga caactggaaa tactaaacaa atactggaat
                                                                         60
tcacattaca gacagacgaa accaacatgg atgccacaca taacttcctt tgtagtttca
                                                                        120
cagagageet atttgtggtt geteaggtgg ggteataeat tgettgeaga aatggeetga
                                                                        180
tcatagctct atgaaacaat gaattcggaa tgaaatctta ccatgacacc tctctgtagg
                                                                        240
aaagaaatgt tgcttcacgt gtgctaagtt gagataataa tatttcacat atttatatac
                                                                        300
agagaatcac tctcaaattt aacccaagat aagcaatagg atttgggggt gacttgtaca
                                                                        360
catttctaac aacacttttc ttttttctag aggtcactct caaacactga tatatcacta
                                                                        420
tagtttgagt gtanggattc agtaatcaaa ggttgttatt gcaaaagagc caggcag
                                                                        477
      <210> 746
      <211> 524
      <212> DNA
     <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(524)
      <223> n = A, T, C \text{ or } G
      <400> 746
ctgtgaaatt gggttgggag agccaaaata ctttacaact tcagaccgga gaaaaggcca
                                                                         60.
                                                                        120-15
gaggtgtgaa gttagactct atgatgaaac agagtcgtct tttgcgatga catgttggga
taatqaatcc attctacttq cacagagctg gatgccacga gaaacagtaa tatttqcctc
                                                                        180 .
agatgtaaga ataaattttg acaaatttcg gaactgcatg acagcaactg taatctcaaa
                                                                        240
aaccattatt acaactaatc cagatatacc agaagctaac attctgctga attttatacg
                                                                        300
agaaaataaa gaaacaaatg ttctggatga tgaaattgac agttatttca aagaatccat
                                                                        360
aaatttaagt acaatagttg atgtctacac agntgaacaa ttaaagggaa aagctttgaa
                                                                        420
qaatqaaqqa aaaqctqatc cttcctatgg catcctttat gcctacattt ccacactcaa
                                                                        480
cattgatgat gaaactcaaa agtagttcga aatagatgtt ccag
                                                                        524
      <210> 747
      <211> 456
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(456)
      <223> n = A,T,C or G
```

<211> 493 <212> DNA

```
<400> 747
                                                                         60
cctcagttct tgattgtggt tgacggggcg tcaccatgaa ggagcccatt tagtataaag
cttccaacct tttctcttaa tcgtttcttt aatcttttaa accatcttca agtgcatagg
                                                                       120
                                                                        180
ggagtttccg atgccagagg atgaaagcaa gtgctttctc caccctctcc tcccagagtg
                                                                        240
aaaacaaatc cttttgctga tacttgtttc aaaagcatcc attgtaaagc ttctcagtga
cacaaaatac tgagaggtaa ctttttatca atcaaaccac ataccccaat ttaacacctt
                                                                        300
tcagtgctct gaattcaact gacagactaa agggtgtttc ctgtaacagt ctgaaatatt
                                                                        360
aagtgttttt tttgttttgt ttttaaatct tatttcagaa aacttcctct nggggtagga
                                                                       420
aagtacacat gaagcagcaa agtaacgaag aaaaac
                                                                        456
      <210> 748
      <211> 474
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(474)
      <223> n = A, T, C \text{ or } G .
      <400> 748
ccanaccagg gaaccaaatg cagacagnga agttctctgc ttcttttggc tataatgnga
                                                                        60 ...
                                                                       120
caaqaaaggg atcatctttt gaagatgttt aaagaaataa agcaactttc tttataaaca
qtcaaataat caattaatgg aataaataag tactaaccca cattttaacc actctgtaat
                                                                        180 %
cactacactt tacatatttt ttatttnggn ggcaaantcc cccataatta gtctaaaatc
                                                                       240
caccaatcac ttttaaaagt aaaatgaata gccaccaaaa taagaaaatc ttctgttcac
                                                                        300 100
tctttggcta aaaaggaaaa caaataaaac aaaacaaaaa gaaacagaag acaactgtaa
                                                                       360
cactggtgat aaaagaaact ttttttttac aagtaaaata aagttatcaa tttaaatctt
                                                                      420
ggncacttta taaaaacaag aggtaatgtt gtaataaaac agcagtagcc tcag
                                                                       474 😽
      <210> 749
      <211> 355
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(355)
      <223> n = A, T, C \text{ or } G
      <400> 749
cctgggtnna gnggctgact gnaacctcca cttcctgttc tcaggcaatc ctcctgcctc
                                                                        60
agcctcctta gtagctggga ctacaggagt gtgcaaccat gcccaactaa tttttgtatt
                                                                        120
tttaatagag acagggtttc accatgttga tcaggttggt ctccaactcc tgacctcagg
                                                                        180
tgatccacct gtcccagcct cccaaagtgc tgggattaca ggcatgagcc accacgcccg
                                                                       240
qnccaqqata aagtaaaaat ttgtaagcac acaaggccct ttgcaacctg gctcctggtt
                                                                       300
actactttaa ncctcctgcc ctcccaaatg tnctcactgt ttttctanac atacc
                                                                       355
      <210> 750
```

```
<213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(493)
      <223> n = A, T, C or G
      <400> 750
ccatgctggt ctcgaactcc tgaactcagg tgatccaccc.gcctcagtct cccaatagat
                                                                         60
tacatatatt attaatgaat tgcttccttt aacaccctat tcattgaatt ttccagtaaa
                                                                         120
ccacaattac taattactcc tgaaatcaga aaagaggtta aaaagatttt ataacagtat
                                                                         180
cctatgaaat ctactacttt caagtaatag tagttgaatt accaaaaccc gtcactcaag
                                                                         240
ccaatgacta caattaagat atgagtaaca tttcctagat aaataaagtc aattaattat
                                                                         300
atttgcatct gggaaataga gaaagtacat ataagccatg attttgaagn caaaagagag
                                                                         360
agantatttg ccaaggaggg gtgagttata gtatgtaatt ataacataca gaagcttttt
                                                                         420
gtatgctggt aactaatttt aatttcctac attnttatgg agatttctgc tattcttgtc
                                                                         480
ctattttcca cct
                                                                         493
      <210> 751
      <211> 364
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
     <222> (1) ... (364)
      <223> n = A, T, C \text{ or } G
      <400> 751
cgaggtctgg naaggtcacc aagtctgccc aganagctca gaaggctaaa tgaatattat
                                                                         60
ccctaatacc tgccacccca ctcttaatca gtggtggaag aacggtctca gaactgtttg
                                                                        120
tttcaattgg ccatttaagt ttagtagtaa aagactggtt aatgataaca atgcatcgta
                                                                        180
aaaccttcag aaggaaagga gaatgttttg nggaccactt tggttttctt ttttgcgtgt
                                                                        240
ggcagtttta agttattagt ttttaaaaatc agtacttttt aatggaaaca acttgaccaa
                                                                        3.00
aaatttgtca cagaattttg agacccatta aaaaagttaa atgagataaa aaaaaaaaan
                                                                        360
cntg
                                                                        364
      <210> 752
      <211> 498
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(498)
      <223> n = A, T, C \text{ or } G
      <400> 752
ctggattatg ggttggnatt ggtcatatgt tagactccat acaggcatag ctatgatgca
                                                                         60
gtgaatccct tagaagttac aattctcaaa ttacatactt cctcagatgt aacattagaa
                                                                        120
ctcaatattt ctaacaataa cataccagaa aaggctggac tggcactcat ctgctgacta
                                                                        180
```

acttgtagcc tcagtaatat gadagaccttcag aaaatggaga ttaatgcttaa cagttggaac tcagtggatanat tagcctcaaa aaacttgatcaca acttgatcaca acttgattatttc agtaaatg	ctttttga aaattaaa aagacaat	tggggacata tgtactgatt ttggnaaggn	atcaaattta ttaaagttta ttaggtcttt	agtctgagaa gacattaaca taatttggtg	240 300 360 420 480 498
<210> 753 <211> 467 <212> DNA <213> Homo sapien					
<220> <221> misc_feature <222> (1)(467) <223> n = A,T,C or					
<pre>&lt;400&gt; 753 nacaacctta gccanaacca tt ggcgcaatag atatagnacc gcc caaggactaa cccctatacc tt agccaaagct aagacccccg aac ccgtctatgt agcaaaatag tg tggtgatagc tggntgncca ag cctctaaatc cccttgtaaa tt ggaaaaaacc ttgcagagag ag</pre>	aagggaaa ctgcataa accagacg ggaagatt atagaatc taactgtt	gatgaaaaat tgaattaact agctatctaa tataggtaga ttagntcaac agtccaaaga	tataaccaag agaaataact gaacagctaa ggcgacaaac tttaaatttg ggaacagctc	cataatatag ttgcaaggag aagagcacac ctaccgagcc cccacagaac	60 120 180 240 300 360 420
<210> 754 <211> 196 <212> DNA <213> Homo sapien	·				
<220> <221> misc_feature <222> (1)(196) <223> n = A,T,C or					
<pre>&lt;400&gt; 754 gtcatgttca agtgttntaa tc cttatactaa cattagttct tc tcagttatat gtttgggatt tt ggtggctgct tttagg</pre>	tatagggt	gatagattgg	tccaattggg	tgtgaggagt	60 120 180 196
<210> 755 <211> 381 <212> DNA <213> Homo sapien					
<400> 755 ctggaaagga ttctgtacat attaatgggcaa agaaagtcaa ca					60 120

```
caaaaaaaaa gtttaaaatt tttcttggcc ccagtcttat catttctgag ccaaatacaa
                                                                       180
ttctatcgaa atcacctgaa actgaaatca ccattctagg ctggttttcc cataaagatg
                                                                       240
gactgctcca aaaagaggaa tcaagaaaga atttggctca cagtgaatta ttcactttgt
                                                                       300
cttagttaac taaaaataaa atctgactgt taactacaga aatcatttca aattctgtgg
                                                                       360
tgataataaa gtaatgaccg c
                                                                       381
      <210> 756
      <211> 341
      <212> DNA
      <213> Homo sapien
      <220>
     <221> misc_feature
      <222> (1)...(341)
      <223> n = A,T,C or G
      <400> 756
ggntataaac ctattattta ttgcagaact aataaaaaat ccaaagcctt gtatttgtac
                                                                        60
atctttatta tctctaaagc actttcctca acctaatttc agtttttaca attggtactc
                                                                       120
aagaaaatag agacagaaat catttgattt tgcccagaaa ccatctgctt atatttataa
                                                                       180
ggccacctaa tttgaaatca catatagacc aggcgcggtg gctcacgcct gtaattccaa
                                                                       240
cactttggaa ggccaaggca ggtggatcac aaggtcaaga gattgagacc atcttggcca
                                                                       300 : 5
acatggcgaa accccgtctc taccaaaaat acaaaaatca g
                                                                       341
      <210> 757
      <211> 479
      <212> DNA
      <213> Homo sapien
     <220>
      <221> misc feature
      <222> (1)...(479)
      <223> n = A, T, C or G
      <400> 757
cgcnttactg tacatattgc tagcagggag acaactggaa atactaaaca aatactggaa
                                                                       .60
ttcacattac agacagacga aaccaacatg gatgccacac ataacttcct ttgtagtttc
                                                                       120.
acagagagcc tatttgtggt tgctcaggtg gggtcataca ttgcttgcag aaatggcctg
                                                                       180
atcatagete tatgaaacaa tgaattegga atgaaatett accatgacae etetetgtag
                                                                       240
gaaagaaatg ttgcttcacg tgtgctaagt tgagataata atatttcaca tatttatata
                                                                       300
cagagaatca ctctcaaatt taacccaaga taagcaatag gatttggggg tgacttgtnc
                                                                       360
acatttctaa caacactttt ctttttcta gaggtcactc tcaaacactg atatatcact
                                                                       420
atagnttgag ngtagggatt caagtaatca aaggttgtta ttgcaaaaga gccaggcag
                                                                       479
     <210> 758
     <211> 267
      <212> DNA
     <213> Homo sapien
     <220>
     <221> misc feature
```

<210> 761 <211> 428

<222> (1)...(267) <223> n = A, T, C or G<400> 758 60 aqqaqqttaq ttgtggcaat aaaaatgatt aaggatacta gtataagaga tcaggttcgt 120 cctttagtgt tgtgtatggc tatcatttgt tttgaggtta gtttgactag tcattgttgg 180 240 gtggtaatta gtcggttgtt gatgagatat ttggaggtgg ggatcaatag agggggaaat 267 agaatgatca gtactgcggc gggtagg <210> 759 <211> 449 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(449) <223> n = A,T,C or G<400> 759 cgaggtcttg aaatcagcaa cacacttaca aatgagaaaa tgaaaataga agagtatata 60 <sub>(i.</sub> aagaaaggga aagaggatta tgaagagagt catcagagag ctgtggctgc agaggtatcc . 120 4. gtacttgaaa actggaagga gagtgaagtg tataagctac agatcatgga gtcacaagca 180 💤 gaageettte tgaagaaget ggggetgatt ageegtgate etgeageata teeegaeatg 240 1 gagtetgata taegtteatg ggaattgttt etttetaatg ttacaaaaga aattgagaaa 🕒 300 🐷 qcaaaqtctc aqtttqaaga acaaattaag gcaattaaaa atggttcccg gctcagtgaa 360 .... ctttctaaag ngcagatttc tgagctttca tttcctgcct gtaacacggt tcatcccgag 420 ; ttactccctg agtcttcagg ccacgatgg 449 · <210> 760 <211> 414 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(414) <223> n = A, T, C or G<400> 760 ccatnaactg gaagcagctc actaaacaaa cagnggcata cccatagaac tgcatacttc 60 tcagcagtat gaaagaatga gctacttata taagcatcat tgataaacct caaaaaaaaa 120 atgccacatg aagaanccca agggggagaa acataaaaac tttatatgnc agncatataa 180 aattctagaa aatgcaaact aatccatcnt aaaggaaagt aaatcancag ttgtctggag 240 gaccanagag agcaggagga gagagattnt taanggggtt aaagtaaatt ngggagtgcc 300 360 cttccatttt taaatnctat gaaaatgaaa gtaaaggccc ntgcatgttg taaactaata gtaacaaaca gattgggttg gagtggggtg ttgtctgggg acatcattac aaan 414

<212> DNA

<213> Homo sapien <400> 761 gagcctcact aaaataacag atttcagtat agccaagttc atcagaaaga ctcaaatgga 60 atqatttaca aqatagaaca ctttaaacca ggtcagtcct atctttttgt agctgaaggc 120 tatcagtcat aacacaattt cgcgtacacc tctgctcatt atggaattac acttaaaacg 180 aatctcaaga gggtgaccat tgttgtttca gataccatcc ctaaggagag tggttaacag 240 gaagattgcc agtgttactg atggaaagaa gtgtttgttt gtttttttc ttgtcaaaga 300 360 cttacaccat agttttaaat taaactgtca ggcattttct cagacaggtt ttccttttca atgcagtaat gaagaactaa gataaaaatc atgacttttg actgccactc aacattatta 420 428 catgcacc <210> 762 <211> 574 <212> DNA <213> Homo sapien <220> <221> misc\_feature <222> (1)...(574) <223> n = A,T,C or G<400> 762 caggictgaa cigataagta tiaagagacg titgitgcta gitaagngit ccagitgaga 60 A gttcgaagtg aaaacctggg ctctttacca gtgttgagtg agaagattta tttctctttc 120 ... ctctgaattt accacatgta acatcacaga gacatgtaga gttcctttag gatttgcgat 180 ttgaaccagn ccagtctgat tttcaggtga attctgtgaa gagcttgatg ggggaagtct 240 qaaqacaqaa qqaattaggg aaaagggtga tacttacaga gtaaaggaaa taaatgaaaa 300 360 gataatggta tttttggtag ccacagggaa atagcaggag gggactggag atcacacac cgcacacgca cacacacaaa cacacacaca cgctaaaact caaactaaaa acctcccaaa 420 ggagctgctt tgtttgcaga cttcaattng aagtagatac taagggcaag aatagaccag 480 ttaaaattca cctgaaaatc tcttcccann cttcaaatgt gctaaaatat cactgtcagc 540 😁 574 ttagcatctc tncatgtatg tatatataga tgta <210> 763 <211> 465 <212> DNA <213> Homo sapien <220> <221> misc feature <222> (1)...(465) <223> n = A,T,C or G<400> 763 cctactatgg gtgttaaaat tttttactct ctctacaagg ntttttccta gtgtccaaag 60 agctgttcct ctttggacta acagttaaat ttacaagggg atttagaggg ttctgngggc 120 180 aaatttaaag ttgaactaag attctatctt ggacaaccag ctatcaccag gctcggtagg 240 tttgtcgcct ctacctataa atcttcccac tattttgcta catagacggg tgtgctcttt 300 tagctgttct taggtagctc gtctggtttc gggggtctta gctttggctc tccttgcaaa

gttatttcta gttaattcat tatgcagaag gtataggggt tagtccttgc tatattatgc ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ngtttcaatt tctatcgcct atactttatt tgggtaaatg gtttggctaa ggttg	360 420 465
<210> 764	
<211> 151	
<212> DNA	
<213> Homo sapien	
<400> 764	
ctgtcaatta atgctagtcc tcaggattta aaaaataatc ttaactcaaa gtccaatgca	60
aaaacattaa gttggtaatt actcttgatc ttgaattact tccgttacga aagtccttca	120
catttttcaa actaagctac tatatttaag g	151
<210> 765	
<211> 251	
<212> DNA	
<213> Homo sapien	
<400> 765	
gaagagetta teacetttea tgateaegee eteatagtea tttteettat etgetteeta	60
gtcctgtatg cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac	120 t
gctcaggaaa tagtaaccgt ctgaactatc ctgcccgcca tcatcctagt cctcatcgcc ctcccatccc tacgcatcct ttacataaca gacgaggtca acgatccctc ccttaccatc	180 ·
aaatcaattg g	251 :
<210> 766	
<210> 766 <211> 375	
<212> DNA	
<213> Homo sapien	
<220>	
<221> misc_feature <222> (1)(375)	
<223> n = A,T,C  or  G	
<400> 766	
cgaggtctgn cctcctggtt cttcatccat tattaacaga agagcatact ggtttcggtc	60.
cataaaatct ttgggaaggg acaactgtaa aggaagttca tagtcgtcaa tatgaaggat tttaatttct ggctttccta tcttcttctt caggatagct tccttcagca tagaattgtt	120 180
ttccaatata aaatattttg ctgggttgtc cgtactatgt aggctgacca ctgggaccct	240
tggaccttca cagaataata agaaatgttg attcatggga ctaaaactgg catcaaaata	300
tgtacattgt tctttcatga aattacatga aatgcattgg cgattcaata atccttcagt	360
agaagcactg tacag	375
<210> 767	
<211> 485	
<212> DNA	
<213> Homo sapien	
<220>	

```
<221> misc feature
      <222> (1)...(485)
      <223> n = A, T, C or G
      <400> 767
cqaqqtctqa accctcgtgg agccattcat acaggtccct aattaaggaa caagtgatta
                                                                         60
                                                                        120
tgctacettn gcaeggttag ggtacegegg ceegttaaae atgtgteaet gggeaggegg
tgcctctaat actggtgatg ctagaggtga tgtttttggn aaacaggcgg ggtaagattt
                                                                        180
gccgagttcc ttttactttt tttaaccttt ccttatgagc atgcctgtgt tgggttgaca
                                                                        240
                                                                        300
gtgagggtaa taatgacttg ttggtgattg tagatattgg gctgttaatt gtcagttcag
tgttttaatc tgacgcaggc ttatgcggag gagaatgttt tcatgttact tatactaaca
                                                                        360
                                                                        420
ttaqttcttc tataqqqtga tagatnggtc caattgggtg tgaggagntc acttatatgt
                                                                        480
ttgggatttt ttaggtaagn gggtgttgag cttgaacgct ttcttaattg ggggctgctt
                                                                        485
ttang
      <210> 768
      <211> 379
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(379)
      <223> n = A, T, C \text{ or } G
      <400> 768
ctgatattct attaaagata caaagaggag ctggnaccat ttcttctgaa actattacaa
                                                                         60
                                                                        120 -
acaactgaaa aggtggaatt tctccctaat tcattttagg aggccagcat tatactgata
ccaaaacctq qcaqaqqtac aataataaaa ggaaacttca agtcagtatc actgatgaac
                                                                        180
accaatgtga aaatcctcaa taaaatactg gcaaactgaa ttcagcagca catcaaaaaag
                                                                        240
ctaatccacc acaatcaagt cagcttcatc cctgcgatgc aagtctggtt caacatatgc
                                                                       300
aaatcaataa atacaattca tcagataaac agagctaaag acaaaattca catgattttc
                                                                        360 🚁
                                                                        379
tcaatagatg cagaaaagg
      <210> 769
      <211> 518
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(518)
      \langle 223 \rangle n = A,T,C or G
      <400> 769
cgaggtccat atgatgatca gtctatatag tttaaggcgc agatacacaa attttcaaaa
                                                                         60
atatgggtag aatatagtca atatgaatgg aatagacaat gctttgaaaa tcactggagg
                                                                        120
gaggetttat tgtttgtgaa aacatgttgt catcactttt tgetttaage eettggtggt
                                                                        180
                                                                        240
gaaataactc aaaccattct tccttatgct gaagatcgag aaccccaagt atcacatcta
                                                                        300
ccatcccact catcaatgtg attggtcagt ctttgctgag gncctgcata gccagtttta
aagttagagt tettgeatat acatatgaaa aggeatgtta ettgtgettt caaagagett
                                                                        360
```

tttgcttggt gtaaaaagaa aactcaaatt acagtgtgat gtggaatata atggtggt tttcatcgag atgatgggaa agaattgata agataaagcn gaaagatgag cagaattt agattgggtn tggaaagagc acttaagaaa gagggtgg	•
<210> 770 <211> 378 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(378) <223> n = A,T,C or G	
<pre>&lt;400&gt; 770 tatgggtcct gagtgtggaa tataagataa caagacaatt cccttgcttt caagggaa cacactttat aaaactttga attcttgaaa tgggtttcag aggttccaag gtcaaatt agaataagag ttaagaagaa aaagactatg agaaaggaag tgntgacccc atttgcat aaatggcagg aatagtctca atctactcat tggggaaaaa tgtatgttgc atattttt gatattgcaa cttgctctct ctctttgcca ccccaccctt tgncatgctc tgtttttg ctgaattggc aagaaaaatg gctggagggc tggaagaagn tggacccttc ttccttct cttcttcctt ctttctcc</pre>	ca 120 tt 180 ga 240 gg 300
<210> 771 <211> 207 <212> DNA <213> Homo sapien	
<pre>&lt;400&gt; 771 cataaatatt atactagcat ttaccatctc acttctagga atactagtat atcgctca cctcatatcc tccctactat gcctagaagg aataatacta tcactgttca ttatagct tctcataacc ctcaacaccc actccctctt agccaatatt gtgcctattg ccatacta ctttgccgcc tgcgaagcag cggtagg</pre>	ac 120
<210> 772 <211> 384 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(384) <223> n = A,T,C or G	
<pre>&lt;400&gt; 772 cctactatgg gtgttaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaggtttcctc tttggactaa cagttaaatt tacaagggga tttagagggt tctgngggaatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtagttgtcgctc tacctataaa tcttcccact attttgctac atagacgggt gtgctcttagctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaattattctag ttaattcatt atgcagaagg tataggggtt agtccttgct atattatg</pre>	ca 120 gt 180 tt 240 ag 300

tggttataat ttttcatctt tccc	384
<210> 773 <211> 182 <212> DNA <213> Homo sapien	
<400> 773	
cccttttcct aacactcaca acaaaactaa ctaatactaa catctcagac gctcagggaa atagaaaccg tctgaactat cctgcccgcc atcatcctag tcctcatcgc cctcccatcc ctacgcatcc tttacataac agacgaggtc aacgatccct cccttaccat caaatcaatt gg	60 120 180 182
<210> 774 <211> 191 <212> DNA <213> Homo sapien	
<400> 774	
ccatggctag gtttatagat agttgggtgg ttgggtgtaa atgagtgag	60 120 180 191
<210> 775 <211> 192 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(192) <223> n = A,T,C or G	
<400> 775	
ccatggctaa gntatataga tagctgggtg gctggagtaa atgantgagg nacgagtccg angaggttag ttgaggcaat aaaaatgatn aaggatacta gtataagaga tcangttcgt cctttacatg ttgngtatgg ctatcatttg ttttgaggct agnttgatta gtcattgttg ggtggtaatt aa	60 120 180 192
<210> 776 <211> 144 <212> DNA <213> Homo sapien	
<400> 776	
ctgaccccct agaaccctgg ctctgccatt agctaggacc taagactctg cccacatttt ggtctgttct ctcccattac acataggttt gtctcagcat gcaagagttt ttcctttaaa aaaaaaaaaa	60 120 144

```
<211> 483
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(483)
      <223> n = A,T,C or G
      <400> 777
cctactatgg gtgntaaatt ttttactctc tctacaaggt tttttcctag tgtccaaaga
                                                                         60
gctgttcctc tttggactaa cagttaagtt tacaagggga tttagagggt tctgtgggca
                                                                        120
aatttaaagt tgaactaaga ttctatcttg gacaaccagc tatcaccagg ctcggtaggt
                                                                        180
ttgtcgcctc tacctataaa tcttcccact attttgctac atagacgggt gtgctctttt
                                                                        240
                                                                        300
agctgttctt aggtagctcg tctggtttcg ggggtcttag ctttggctct ccttgcaaag
                                                                        360
ttatttctag ttaattcatt atgcagaagg tataggggnt aagtccttgc tatattatgc
ttggatataa tttttcatct ttcccttgcg gtactatatc tattgcgcca ggtttcaatt
                                                                        420
                                                                        480
tctgccgcct atactttatt tgggtaaatg gtttggctaa ngttgctggt agaaggtgga
                                                                        483
gtg
      <210> 778
      <211> 393
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc feature
      <222> (1)...(393)
      <223> n = A,T,C or G
      <400> 778
ctgcattttt attgcgatct gcagatgaac tgggaaaatc tcattttaca acagaactga
                                                                         60
gacagacgac caccatattc actgaggtct aaatttgcag tttccactaa tgacattttg
                                                                        120
                                                                        180
atttcccaac agagatactt ctggtcttac tgcacagtct tttaagagaa atacttccat
tatgccacat tgtccttgat ccgtaagtga tgtgttaagg tgcttcaaag gaactctgac
                                                                        240
                                                                        300
ctctgaagta cttgagctac tttagtatgt ccagcctatt gctttttgtt ttagngngtc
accataaata tcaggggcat aaaaggctat ctattcttaa ttcaaggata aaacagaaga
                                                                        360
                                                                        393
agcttgtggn ataaaacaat agtcaagatc cag
      <210> 779
      <211> 277
      <212> DNA
      <213> Homo sapien
      <220>
      <221> misc_feature
      <222> (1)...(277)
      \langle 223 \rangle n = A,T,C or G
      <400> 779
cctnttgatt tgatgggtaa ggggagggat cgttgacctc gtctgttatg taaaggatgc
                                                                         60
```

gtagggatgg gagggcgatg aggactagga tgatggcggg caggatagtt cagacggttt ctattcctg agcgtctgag atgttagtat tagttagttt tgttgtgagt gttaggaaaa gggcatacag gactaggaag cagataagga aaatgactat gagggcgtga tcatgaaagg tgataagctc ttctatgata ggggaagtag cgtcttg	120 180 240 277
<210> 780 <211> 328 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(328) <223> n = A,T,C or G	
<pre>&lt;400&gt; 780  catgntatgg ataaccatnt taactgtatt ttntgcance cgtacettet tgggaataca attgtetaac tttttatttt tggnetgget gttgtggtgt geaaaactee gtacattget attttgccac actgcaacac ettacagatg tggaagatgt gaaatttgte atcaattatg actacectaa etceteagag gattatatte ategaattgg aagaactget egeagtacea aaacaggcac agcatacact ttetttacac etaataacat aaagcagggg agcgacetta tetetgtget tegggaaget aancaaac</pre>	60 120 180 240 300 328
<210> 781 <211> 305 <212> DNA <213> Homo sapien <220> <221> misc_feature	
<222> (1)(305) <223> $n = A,T,C$ or $G$ <400> 781	
ctgttcagaa agctcattgg acctggtttt gaaaataaaa caaagttaaa accctgggag gagttattgt gcagngtgga gtactcaggc tttcttataa agaaaaaaaa agttatctgg taccaaagtg tgcaacctac agaccctcag gtactgccct gtgacttctc tgtatgacat cacaaggctg ccaagtgcct gttttctag aactaggagt tggtgaggtt tggctantgc tgaaaccatg cataggattg gtttactaaa ttaaaacctt attacgtacg tcctccaaaa gacag	60 120 180 240 300 305
<210> 782 <211> 497 <212> DNA <213> Homo sapien	
<220> <221> misc_feature <222> (1)(497) <223> n = A,T,C or G	

<400	> 782					
cgaggtggct	ttaattgatg	ttaatgcct	atgtcaaatg	taaagttaga	atttgctagg	60
gctgggatag	ggagtgatat	ttctaggact	tagacattga	aaactaattc	agcctgtagt	120
aacctggatg	gttttcaatg	gcatggttag	g tcaaattcat	ggttttaaac	ttagaagcag	180
ctttcggggg	agagggtagg	ttggagcatt	tattacatat	tttactgttt	aatgtcttaa	240
ccgtgggcct	tttaatttgt	aaacactgaa	a atgattgttg	ggctgtggaa	aacatttacc	300
tatttacctt	ggaagtttta	aaagacagto	c cactttttag	catgtgtgtt	gcgtccagcc	360
tgtggtcgtc	ttaactaata	aatgngattt	ttctctcaaa	aaaaaaacct	ccccgggcgg	420
ccgctcaagg	gcnaattccn	cacactggcg	g gccgttacta	ggggatccga	nctcggtcca	480
agcttggcgt	aatcatg					497
<210	> 783					
<211	> 364					
<212	> PRT					
<213	> Homo sapi	en				
400	702					
	> 783	ha Dha Tara	M T T	O O O	D-1- 01	
Met Trp GI	n Pro Leu P 5	ne Pne Lys	Trp Leu Leu 10	Ser Cys Cys	Pro Gly 15	•
Ser Ser Gl	n Ile Ala A	la Ala Ala	Ser Thr Gln	Pro Glu Asp	Asp Ile	
	20		25	3.0		

20 Asn Thr Gln Arg Lys Lys Ser Gln Glu Lys Met Arg Glu Val Thr Asp 40 Ser Pro Gly Arg Pro Arg Glu Leu Thr Ile Pro Gln Thr Ser Ser His 55 Gly Ala Asn Arg Phe Val Pro Lys Ser Lys Ala Leu Glu Ala Val Lys 70 75 Leu Ala Ile Glu Ala Gly Phe His His Ile Asp Ser Ala His Val Tyr Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp 105 Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser 120 Asn Ser His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Arg Ser Leu Lys Asn Leu Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Phe Pro 150 155 Val Ser Val Lys Pro Gly Glu Glu Val Ile Pro Lys Asp Glu Asn Gly 165 170 Lys Ile Leu Phe Asp Thr Val Asp Leu Cys Ala Thr Trp Glu Ala Met 180 185 190 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn 200 205 Phe Asn His Arg Leu Leu Glu Met Ile Leu Asn Lys Pro Gly Leu Lys 215 220 Tyr Lys Pro Val Cys Asn Gln Val Glu Cys His Pro Tyr Phe Asn Gln 230 235 Arg Lys Leu Leu Asp Phe Cys Lys Ser Lys Asp Ile Val Leu Val Ala 250 245 Tyr Ser Ala Leu Gly Ser His Arg Glu Glu Pro Trp Val Asp Pro Asn 260 265

Ser Pro Val Leu Leu Glu Asp Pro Val Leu Cys Ala Leu Ala Lys Lys 280 His Lys Arg Thr Pro Ala Leu Ile Ala Leu Arg Tyr Gln Leu Gln Arg 300 295 Gly Val Val Leu Ala Lys Ser Tyr Asn Glu Gln Arg Ile Arg Gln 310 315 Asn Val Gln Val Phe Glu Phe Gln Leu Thr Ser Glu Glu Met Lys Ala 330 Ile Asp Gly Leu Asn Arg Asn Val Arg Tyr Leu Thr Leu Asp Ile Phe 345 Ala Gly Pro Pro Asn Tyr Pro Phe Ser Asp Glu Tyr

<210> 784 <211> 6353 <212> DNA <213> Homo sapien

<400> 784

tggcgaatgg gacgcgcct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg 60. cagogtgacc getacacttg ccagogccct agogcccgct cctttcgctt tcttcccttc 120 ctttctcqcc acqttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg qttccqattt agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc 240 300:4 ... acqtaqtqqq ccatcgccct gatagacggt ttttcgccct ttgacgttgg agtccacgtt ctttaatagt ggactettgt tecaaactgg aacaacacte aaccetatet eggtetatte 360 .⊀. ttttgattta taagggattt tgccgatttc ggcctattgg ttaaaaaatg agctgattta 420 acaaaaattt aacgcgaatt ttaacaaaat attaacgttt acaatttcag gtggcacttt 480 tcggggaaat gtgcgcggaa cccctatttg tttattttc taaatacatt caaatatgta 540. tccgctcatg aattaattct tagaaaaact catcgagcat caaatgaaac tgcaatttat 600 660 tcatatcagg attatcaata ccatattttt gaaaaagccg tttctgtaat gaaggagaaa actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg attccgactc 720 780 gtccaacatc aatacaacct attaatttcc cctcgtcaaa aataaggtta tcaagtgaga 840 aatcaccatq agtgacgact gaatccggtg agaatggcaa aagtttatgc atttctttcc agacttqttc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaac 900 cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac 960 aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat 1020 tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgcag 1080 tggtgagtaa ccatgcatca tcaggagtac ggataaaatg cttgatggtc ggaagaggca 1140 1200 taaattccqt caqccagttt agtctgacca tctcatctgt aacatcattg gcaacgctac ctttqccatg tttcagaaac aactctggcg catcgggctt cccatacaat cgatagattg 1260 teqeacetqa ttgecegaca ttategegag eccatttata eccatataaa teageateea 1320 tgttggaatt taatcgcggc ctagagcaag acgtttcccg ttgaatatgg ctcataacac 1380 cccttgtatt actgtttatg taagcagaca gttttattgt tcatgaccaa aatcccttaa 1440 1500 cqtqaqtttt cqttccactg agcgtcagac cccgtagaaa agatcaaagg atcttcttga qatccttttt ttctqcqcgt aatctgctgc ttgcaaacaa aaaaaccacc gctaccagcg 1560 gtggtttgtt tgccggatca agagctacca actctttttc cgaaggtaac tggcttcagc 1620 agagcgcaga taccaaatac tgtccttcta gtgtagccgt agttaggcca ccacttcaag 1680 aactctgtag caccgcctac atacctcgct ctgctaatcc tgttaccagt ggctgctgcc 1740 agtggcgata agtcgtgtct taccgggttg gactcaagac gatagttacc ggataaggcg 1800 cageggtegg getgaaeggg gggttegtge acaeageeea gettggageg aaegaeetae 1860 accgaactga gatacctaca gcgtgagcta tgagaaagcg ccacgcttcc cgaagggaga 1920

200

۲.

.

aaggcggaca ggtatccggt aagcggcagg gtcggaacag gagagcgcac gagggagctt 1980 ccagggggaa acgcctggta tctttatagt cctgtcgggt ttcgccacct ctgacttgag 2040 cgtcgatttt tgtgatgctc gtcagggggg cggagcctat ggaaaaacgc cagcaacgcg 2100 2160 gcctttttac ggttcctggc cttttgctgg ccttttgctc acatgttctt tcctgcgtta tcccctgatt ctgtggataa ccgtattacc gcctttgagt gagctgatac cgctcgccgc 2220 agccgaacga ccgagcgcag cgagtcagtg agcgaggaag cggaagagcg cctgatgcgg 2280 2340 tattttctcc ttacgcatct gtgcggtatt tcacaccgca tatatggtgc actctcagta caatctgctc tgatgccgca tagttaagcc agtatacact ccgctatcgc tacgtgactg 2400 ggtcatggct gcgccccgac acccgccaac acccgctgac gcgccctgac gggcttgtct 2460 gctcccggca tccgcttaca gacaagctgt gaccgtctcc gggagctgca tgtgtcagag 2520 2580 gttttcaccg tcatcaccga aacgcgcgag gcagctgcgg taaagctcat cagcgtggtc gtgaagcgat tcacagatgt ctgcctgttc atccgcgtcc agctcgttga gtttctccag 2640 2700 aagegttaat gtetggette tgataaageg ggeeatgtta agggeggttt ttteetgttt 2760 ggtcactgat gcctccgtgt aagggggatt tctgttcatg ggggtaatga taccgatgaa 2820 acgagagagg atgctcacga tacgggttac tgatgatgaa catgcccggt tactggaacg 2880 ttgtgagggt aaacaactgg cggtatggat gcggcgggac cagagaaaaa tcactcaggg 2940 tcaatgccag cgcttcgtta atacagatgt aggtgttcca cagggtagcc agcagcatcc 3000 tgcgatgcag atccggaaca taatggtgca gggcgctgac ttccgcgttt ccagacttta 3060 cgaaacacgg aaaccgaaga ccattcatgt tgttgctcag gtcgcagacg ttttgcagca 3120 gcagtcgctt cacgttcgct cgcgtatcgg tgattcattc tgctaaccag taaggcaacc 3180 ccqccaqcct agccgggtcc tcaacgacag gagcacgatc atgcgcaccc gtggggccgc :3240 catqccqqcq ataatggcct gcttctcgcc gaaacgtttg gtggcgggac cagtgacgaa ggcttgagcg agggcgtgca agattccgaa taccgcaagc gacaggccga tcatcgtcgc 3300 gctccagcga aagcggtcct cgccgaaaat gacccagagc gctgccggca cctgtcctac 3360 gagttgcatg ataaagaaga cagtcataag tgcggcgacg atagtcatgc cccgcgccca 3420 ccggaaggag ctgactgggt tgaaggctct caagggcatc ggtcgagatc ccggtgccta 3480 atgagtgagc taacttacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa 3540 cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat 3600 tgggcgccag ggtggttttt cttttcacca gtgagacggg caacagctga ttgcccttca - 3660 3720 ccgcctggcc ctgagagagt tgcagcaagc ggtccacgct ggtttgcccc agcaggcgaa 3780 aatcctgttt gatggtggtt aacggcggga tataacatga gctgtcttcg gtatcgtcgt 3840 atcccactac cgagatatcc gcaccaacgc gcagcccgga ctcggtaatg gcgcgcattg 3900 egeceagege catetgateg ttggcaacca geategeagt gggaaegatg ceeteattea 3960. gcatttgcat ggtttgttga aaaccggaca tggcactcca gtcgccttcc cgttccgcta 4020 teggetgaat ttgattgega gtgagatatt tatgeeagee ageeagaege agaegegeeg 4080 agacagaact taatgggccc gctaacagcg cgatttgctg gtgacccaat gcgaccagat gctccacgcc cagtcgcgta ccgtcttcat gggagaaaat aatactgttg atgggtgtct 4140 4200 ggtcagagac atcaagaaat aacgccggaa cattagtgca ggcagcttcc acagcaatgg 4260 catcctggtc atccagcgga tagttaatga tcagcccact gacgcgttgc gcgagaagat 4320 tgtgcaccgc cgctttacag gcttcgacgc cgcttcgttc taccatcgac accaccacgc tggcacccag ttgatcggcg cgagatttaa tcgccgcgac aatttgcgac ggcgcgtgca 4380 gggccagact ggaggtggca acgccaatca gcaacgactg tttgcccgcc agttgttgtg 4440 4500 ccacgcggtt gggaatgtaa ttcagctccg ccatcgccgc ttccactttt tcccgcgttt 4560 tcgcagaaac gtggctggcc tggttcacca cgcgggaaac ggtctgataa gagacaccgg 4620 catactctgc gacatcgtat aacgttactg gtttcacatt caccaccctg aattgactct cttccgggcg ctatcatgcc ataccgcgaa aggttttgcg ccattcgatg gtgtccggga 4680 tctcgacgct ctcccttatg cgactcctgc attaggaagc agcccagtag taggttgagg 4740 4800 ccgttgagca ccgccgccgc aaggaatggt gcatgcaagg agatggcgcc caacagtccc 4860 ccqqccacqq qgcctgccac catacccacq ccgaaacaaq cgctcatgag cccgaagtgg 4920 cqaqcccqat cttccccatc ggtgatgtcg gcgatatagg cgccagcaac cgcacctgtg gcgccggtga tgccggccac gatgcgtccg gcgtagagga tcgagatctc gatcccgcga 4980

aattaatacg	actcactata	ggggaattgt	gagcggataa	caattcccct	ctagaaataa	5040
ttttgtttaa	ctttaagaag	gagatataca	tatgcagcat	caccaccatc	accactggca	5100
gcccctcttc	ttcaagtggc	tcttgtcctg	ttgccctggg	agttctcaaa	ttgctgcagc	5160
		atgacatcaa				5220
gagagaagtt	acagactctc	ctgggcgacc	ccgagagctt	accattcctc	agacttcttc	5280
acatggtgct	aacagatttg	ttcctaaaag	taaagctcta	gaggccgtca	aattggcaat	5340
agaagccggg	ttccaccata	ttgattctgc	acatgtttac	aataatgagg	agcaggttgg	5400
actggccatc	cgaagcaaga	ttgcagatgg	cagtgtgaag	agagaagaca	tattctacac	5460
ttcaaagctt	tggagcaatt	cccatcgacc	agagttggtc	cgaccagcct	tggaaaggtc	5520
actgaaaaat	cttcaattgg	actatgttga	cctctatctt	attcattttc	cagtgtctgt	5580
aaagccaggt	gaggaagtga	tcccaaaaga	tgaaaatgga	aaaatactat	ttgacacagt	5640
ggatctctgt	gccacatggg	aggccatgga	gaagtgtaaa	gatgcaggat	tggccaagtc	5700
catcggggtg	tccaacttca	accacaggct	gctggagatg	atcctcaaca	agccagggct	5760
		accaggtgga				5820
gctggatttc	tgcaagtcaa	aagacattgt	tctggttgcc	tatagtgctc	tgggatccca	5880
tcgagaagaa	ccatgggtgg	acccgaactc	cccggtgctc	ttggaggacc	cagtcctttg	5940
tgccttggca	aaaaagcaca	agcgaacccc	agccctgatt	gccctgcgct	accagctgca	6000
		ccaagagcta				6060
		cttcagagga				6120
		atatttttgc				6180
		accaccacca				6240
		ctgccaccgc				6300 .
ctctaaacgg	gtcttgaggg	gttttttgct	gaaaggagga	actatatccg	gat	6353

. .

```
<210> 785
<211> 5502
<212> DNA
<213> Homo sapien
```

## <400> 785

60 tggcgaatgg gacgcgcct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg cagogtgace getacaettg ccagogceet agegeeeget cetttegett tettecette 120 ctttctcgcc acgttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg 180 gttccgattt agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc 240 300 acgtagtggg ccatcgccct gatagacggt ttttcgccct ttgacgttgg agtccacgtt ctttaatagt ggactcttgt tccaaactgg aacaacactc aaccctatct cggtctattc 360 420 ttttgattta taagggattt tgccgatttc ggcctattgg ttaaaaaaatg agctgattta acaaaaattt aacgcgaatt ttaacaaaat attaacgttt acaatttcag gtggcacttt 480 tcggggaaat gtgcgcggaa cccctatttg tttatttttc taaatacatt caaatatgta 540 600 tccgctcatg aattaattct tagaaaaact catcgagcat caaatgaaac tgcaatttat tcatatcagg attatcaata ccatatttt gaaaaagccg tttctgtaat gaaggagaaa 660 actcaccgag gcagttccat aggatggcaa gatcctggta tcggtctgcg attccgactc 720 780 gtccaacatc aatacaacct attaatttcc cctcgtcaaa aataaggtta tcaagtgaga 840 aatcaccatg agtgacgact gaatccggtg agaatggcaa aagtttatgc atttctttcc agacttgttc aacaggccag ccattacgct cgtcatcaaa atcactcgca tcaaccaaác 900 cgttattcat tcgtgattgc gcctgagcga gacgaaatac gcgatcgctg ttaaaaggac 960 aattacaaac aggaatcgaa tgcaaccggc gcaggaacac tgccagcgca tcaacaatat 1020 tttcacctga atcaggatat tcttctaata cctggaatgc tgttttcccg gggatcgcag 1080 1140 tggtgagtaa ccatgcatca tcaggagtac ggataaaatg cttgatggtc ggaagaggca

taaattccgt cagccagttt agtctgacca tctcatctgt aacatcattg gcaacgctac 1200 1260 ctttgccatg tttcagaaac aactctggcg catcgggctt cccatacaat cgatagattg 1320 togcacotga ttgcccgaca ttatogcgag cocatttata cocatataaa toagcatoca 1380 tgttggaatt taatcgcggc ctagagcaag acgtttcccg ttgaatatgg ctcataacac cccttgtatt actgtttatg taagcagaca gttttattgt tcatgaccaa aatcccttaa 1440 cqtqaqtttt cqttccactg agcgtcagac cccgtagaaa agatcaaagg atcttcttga 1500 1560 gatccttttt ttctgcgcgt aatctgctgc ttgcaaacaa aaaaaccacc gctaccagcg gtggtttgtt tgccggatca agagctacca actctttttc cgaaggtaac tggcttcagc · 1620 1680 agagegeaga taccaaatae tgteetteta gtgtageegt agttaggeea ceaetteaag 1740 aactctqtaq caccgcctac atacctcgct ctgctaatcc tgttaccagt ggctgctgcc agtggcgata agtcgtgtct taccgggttg gactcaagac gatagttacc ggataaggcg 1800 1860 cageggtegg getgaaeggg gggttegtge acaeageeea gettggageg aaegaeetae accgaactga gatacctaca gcgtgagcta tgagaaagcg ccacgcttcc cgaagggaga 1920 aaggcggaca ggtatccggt aagcggcagg gtcggaacag gagagcgcac gagggagctt 1980 2040 ccagggggaa acgcctggta tctttatagt cctgtcgggt ttcgccacct ctgacttgag cgtcgatttt tgtgatgctc gtcagggggg cggagcctat ggaaaaacgc cagcaacgcg 2100 gcctttttac ggttcctggc cttttgctgg ccttttgctc acatgttctt tcctgcgtta 2160 2220 tcccctgatt ctgtggataa ccgtattacc gcctttgagt gagctgatac cgctcgccgc 2280 aqccqaacqa ccgagcgcag cgagtcagtg agcgaggaag cggaagagcg cctgatgcgg 2340 tattttctcc ttacgcatct gtgcggtatt tcacaccgca tatatggtgc actctcagta. 2400 caatctgctc tgatgccgca tagttaagcc agtatacact ccgctatcgc tacgtgactg 2460 qqtcatgqct gcgccccgac acccgccaac acccgctgac gcgccctgac gggcttgtct 2520. qctcccggca tccgcttaca gacaagctgt gaccgtctcc gggagctgca tgtgtcagag 2580 gttttcaccg tcatcaccga aacgcgcgag gcagctgcgg taaagctcat cagcgtggtc 2640° gtgaagcgat tcacagatgt ctgcctgttc atccgcgtcc agctcgttga gtttctccag 2700 aagcgttaat gtctggcttc tgataaagcg ggccatgtta agggcggttt tttcctgttt 2760 ggtcactgat gcctccgtgt aagggggatt tctgttcatg ggggtaatga taccgatgaa 2820 acqaqaqaqq atgctcacga tacgggttac tgatgatgaa catgcccggt tactggaacg ttgtgagggt aaacaactgg cggtatggat gcggcgggac cagagaaaaa tcactcaggg 2880 2940 tcaatgccag cgcttcgtta atacagatgt aggtgttcca cagggtagcc agcagcatcc tgcgatgcag atccggaaca taatggtgca gggcgctgac ttccgcgttt ccagacttta 3000 cgaaacacgg aaaccgaaga ccattcatgt tgttgctcag gtcgcagacg ttttgcagca 3060 geagicgett cacgtteget egegtategg tgatteatte tgetaaceag taaggeaace 3120. ccgccagcct agccgggtcc tcaacgacag gagcacgatc atgcgcaccc gtggggccgc 318.0 . 3240 catgccggcg ataatggcct gcttctcgcc gaaacgtttg gtggcgggac cagtgacgaa ggcttgagcg agggcgtgca agattccgaa taccgcaagc gacaggccga tcatcgtcgc 3300 gctccagcga aagcggtcct cgccgaaaat gacccagagc gctgccggca cctgtcctac 3360 gagttgcatg ataaagaaga cagtcataag tgcggcgacg atagtcatgc cccgcgccca 3420 3480 ccggaaggag ctgactgggt tgaaggctct caagggcatc ggtcgagatc ccggtgccta 3540 atgagtgagc taacttacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa 3600 cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat 3660 tgggcgccag ggtggttttt cttttcacca gtgagacggg caacagctga ttgcccttca ccgcctggcc ctgagagagt tgcagcaagc ggtccacgct ggtttgcccc agcaggcgaa 3720 aatcctgttt gatggtggtt aacggcggga tataacatga gctgtcttcg gtatcgtcgt 3780 3840 atcccactac cgagatatcc gcaccaacgc gcagcccgga ctcggtaatg gcgcgcattg 3900 cgcccagcgc catctgatcg ttggcaacca gcatcgcagt gggaacgatg ccctcattca gcatttgcat ggtttgttga aaaccggaca tggcactcca gtcgccttcc cgttccgcta 3960 4020 teggetgaat tigatigega gigagatati tatgeeagee ageeagaege agaegegeeg 4080 agacagaact taatgggccc gctaacagcg cgatttgctg gtgacccaat gcgaccagat 4140 gctccacgcc cagtcgcgta ccgtcttcat gggagaaaat aatactgttg atgggtgtct 4200 ggtcagagac atcaagaaat aacgccggaa cattagtgca ggcagcttcc acagcaatgg

ा चूं (घर) (१**५** )

1

• .

1.1

144 m

 $(X_{i+1}, \dots, X_{i+1})$ 

4.

catcctggtc atccagcgga tagttaatga tcagcccact gacgcgttgc gcgagaagat 4260 tqtqcaccgc cgctttacag gcttcgacgc cgcttcgttc taccatcgac accaccacgc 4320 tggcacccag ttgatcggcg cgagatttaa tcgccgcgac aatttgcgac ggcgcgtgca 4380 qqqccagact qqaqqtqqca acqccaatca qcaacqactq tttqcccqcc agttqttqtq 4440 ccacgcggtt gggaatgtaa ttcagctccg ccatcgccgc ttccactttt tcccgcgttt 4500 tcgcagaaac gtggctggcc tggttcacca cgcgggaaac ggtctgataa gagacaccgg 4560 catactctgc gacatcgtat aacgttactg gtttcacatt caccaccctg aattgactct 4620 cttccgggcg ctatcatgcc ataccgcgaa aggttttgcg ccattcgatg gtgtccggga 4680 4740 tctcgacgct ctcccttatg cgactcctgc attaggaagc agcccagtag taggttgagg ccgttgagca ccgccgccgc aaggaatggt gcatgcaagg agatggcgcc caacagtccc 4800 ccqqccacqq qqcctqccac catacccacg ccgaaacaag cgctcatgag cccgaagtgg 4860 cgagcccgat cttccccatc ggtgatgtcg gcgatatagg cgccagcaac cgcacctgtg 4920 gcgccggtga tgccggccac gatgcgtccg gcgtagagga tcgagatctc gatcccgcga 4980 aattaatacg actcactata ggggaattgt gagcggataa caattcccct ctagaaataa 5040 ttttgtttaa ctttaagaag gagatataca tatgcagcat caccaccatc accactggca 5100 gcccctcttc ttcaagtggc tcttgtcctg ttgccctggg agttctcaaa ttgctgcagc 5160 agcctccacc cagcctgagg atgacatcaa tacacagagg aagaagagtc aggaaaagat 5220 gagagaagtt acagactete etgggegace eegagagett accatteete agacttette 5280 acatggtgct aacagatttg tttgatgaat tctgcagata tccatcacac tggcggccgc 5340 togagoacca coaccaccac cactgagate oggotgotaa caaagoocga aaggaagotg 5400 agttggctgc tgccaccgct gagcaataac tagcataacc ccttggggcc tctaaacggg 5460 5502 tcttgagggg ttttttgctg aaaggaggaa ctatatccgg at

<210> 786 <211> 108 <212> PRT <213> Homo sapiens

<400> 786

Arg Arg Ser Cys Glu Pro Ala Thr Arg Val Pro Glu Val Trp Ile Leu 10 Ser Pro Leu Leu Arg His Gly Gly His Thr Gln Thr Gln Asn His Thr 25 Ala Ser Pro Arg Ser Pro Val Met Glu Ser Pro Lys Lys Lys Asn Gln 40 45 Gln Leu Lys Val Gly Ile Leu His Leu Gly Ser Arg Gln Lys Lys Ile 60 55 Arg Ile Gln Leu Arg Ser Gln Val Leu Gly Arg Glu Met Arg Asp Met 75. 70 Glu Gly Asp Leu Gln Glu Leu His Gln Ser Asn Thr Gly Asp Lys Ser 90 Gly Phe Gly Phe Arg Arg Gln Gly Glu Asp Asn Thr 105

> <210> 787 <211> 152 <212> PRT

<213> Homo sapiens

<400> 787 Arg Pro Lys Glu Glu Val Pro Arg Ser Lys Ala Leu Glu Val Thr Lys Leu Ala Ile Glu Ala Gly Phe Arg His Ile Asp Ser Ala His Leu Tyr Asn Asn Glu Glu Gln Val Gly Leu Ala Ile Arg Ser Lys Ile Ala Asp Gly Ser Val Lys Arg Glu Asp Ile Phe Tyr Thr Ser Lys Leu Trp Ser 55 Thr Phe His Arg Pro Glu Leu Val Arg Pro Ala Leu Glu Asn Ser Leu 75 70 Lys Lys Ala Gln Leu Asp Tyr Val Asp Leu Tyr Leu Ile His Ser Pro 90 Met Ser Leu Lys Pro Gly Glu Glu Leu Ser Pro Thr Asp Glu Asn Gly 105 110 Lys Val Ile Phe Asp Ile Val Asp Leu Cys Thr Thr Trp Glu Ala Met 120 125 Glu Lys Cys Lys Asp Ala Gly Leu Ala Lys Ser Ile Gly Val Ser Asn 1,35 ī Phe Asn Pro Gln Ala Ala Gly Asp 150

> <210> 788 <211> 1633 <212> DNA <213> Homo sapiens

## <400> 788

cgtggaggca gctagcgcga ggctggggag cgctgagccg cycgtcgtgc cctgcgctgc 60 ccagactage gaacaataca gtegggatgg etaaaggtga eeccaagaaa ecaaagggea 120 agacgtccgc ttatgccttc tttgtgcaga catgcagaga agaacataag aagaaaaacc 180 cagaggtccc tgtcaatttt gcggaatttt ccaagaagtg ctctgagagg tggaagacgg 240 tgtccgggaa agagaaatcc aaatttgatg aaatggcaaa ggcagataaa gtgcgctatg 300 atcqqqaaat qaaqqattat ggaccagcta agggaggcaa gaagaagaag gatcctaatg 360 aatccacaaa ccccggcatc tctattggag acgtggcaaa aaagctgggt gagatgtgga 480 ataatttaaa tgacagtgaa aagcagcctt acatcactaa ggcggcaaag ctgaaggaga 540 aqtatqaqaa qqatqttqct gactataaqt cgaaaggaaa gtttgatggt gcaaagggtc 600 ctgctaaagt tgcccggaaa aaggtggaag aggaagatga agaacaggag gaggaagaag 660 aggaggagga ggaggaggag gatgaataaa gaaactgttt atctgtctcc ttgtgaatac 720 ttagagtagg ggagcgccgt aattgacaca tctcttattt gagaagtgtc tgttgccctc 780 attaggttta attacaaaat ttgatcacga tcatattgta gtctctcaaa gtgctctaga 840 aattgtcagt ggtttacatg aagtggccat gggtgtctgg agcaccctga aactgtatca 900 aagttgtaca tatttccaaa catttttaaa atgaaaaggc actctcgtgt tctcctcact 960 ctgtgcactt tgctgttggt gtgacaaggc atttaaagat gtttctggca ttttctttt 1020 atttgtaagg tggtggtaac tatggttatt ggctagaaat cctgagtttt caactgtata 1080 tatctatagt ttgtaaaaag aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg 1140 gcgttgaggc tgtggggaag atgccttttg ggagaggctg tagctcaggg cgtgcactgt 1200 gaggctggac ctgttgactc tgcagggggc atccatttag cttcaggttg tcttgtttct 1260 gtatatagtg acatagcatt ctgctgccat cttagctgtg gacaaagggg ggtcagctgg 1320 catgagaata tttttttta agtgcggtag tttttaaact gtttgttttt aaacaaacta 1380

tagaactett cattgtcage aaagcaaaga gtcactgcat caatgaaagt tcaagaacet 1440 cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt agaatgctga 1500 aatgtttttg aagttaaata aacagtatta cátttttaga actcttctct actataacag 1560 tcaatttctg actcacagca gtgaacaaac ccccactccg ttgtatttgg agactggcct 1620 ccctataaat gtg

> <210> 789 <211> 200 <212> PRT <213> Homo sapien

> > 195

<400> 789 Met Ala Lys Gly Asp Pro Lys Lys Pro Lys Gly Lys Met Ser Ala Tyr 5 Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys Asn Pro 25 Glu Val Pro Val Asn Phe Ala Glu Phe Ser Lys Lys Cys Ser Glu Arg 40 Trp Lys Thr Met Ser Gly Lys Glu Lys Ser Lys Phe Asp Glu Met Ala Lys Ala Asp Lys Val Arg Tyr Asp Arg Glu Met Lys Asp Tyr Gly Pro 75 Ala Lys Gly Gly Lys Lys Lys Asp Pro Asn Ala Pro Lys Arg Pro 90 Pro Ser Gly Phe Phe Leu Phe Cys Ser Glu Phe Arg Pro Lys Ile Lys 100 105 Ser Thr Asn Pro Gly Ile Ser Ile Gly Asp Val Ala Lys Lys Leu Gly 120 Glu Met Trp Asn Asn Leu Asn Asp Ser Glu Lys Gln Pro Tyr Ile Thr 140 135 Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Val Ala Asp Tyr 155 150 Lys Ser Lys Gly Lys Phe Asp Gly Ala Lys Gly Pro Ala Lys Val Ala 175 170 190 185 Glu Glu Glu Glu Glu Asp Glu 200